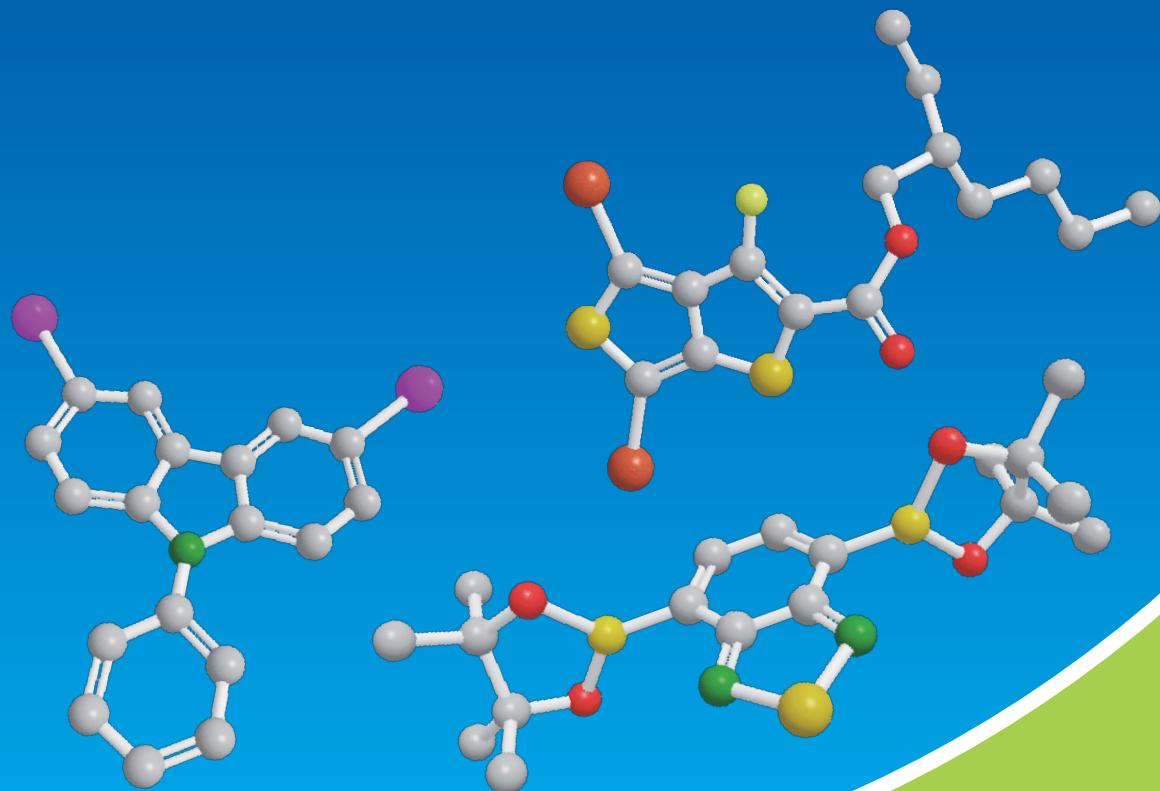


# Building Blocks for Organic Semiconductor



Small Molecule Semiconductor Building Blocks

Polymer / Macromolecule Semiconductor Building Blocks

Solubility Enhancing Reagents

# Building Blocks for Organic Semiconductor

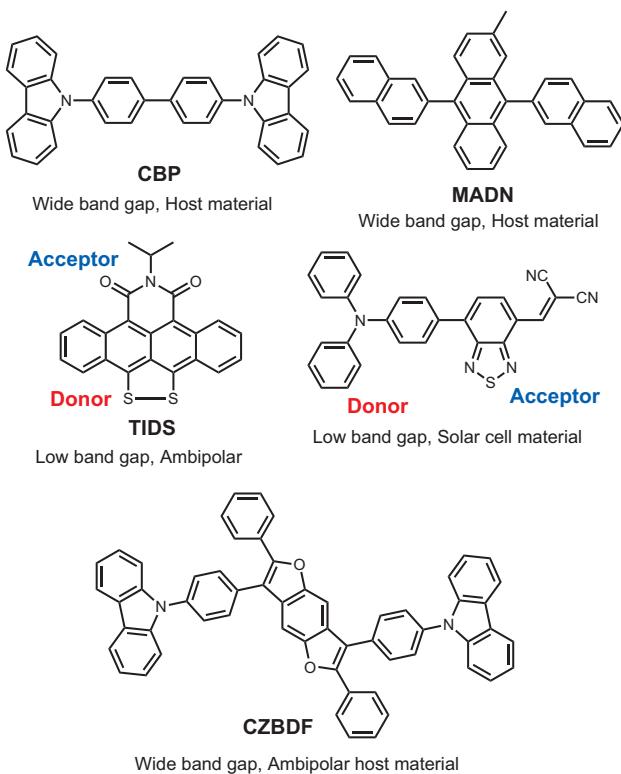
Light and flexible organic semiconductor materials are promising for foldable electronic circuits<sup>1)</sup> and implantable biometric sensors,<sup>2)</sup> although such electronic devices are hardly obtained from silicon-based semiconductors. We have developed a printed electronics system giving large scale and highly precise devices on flexible substrates (eg. paper and film) by a printing method thanks to the solubility of organic materials. The printing method is one efficient technology for mass production and low cost production of semiconducting devices.<sup>3)</sup> Organic photovoltaics (OPV) is a photoelectric conversion device using organic semiconductors. Organic light-emitting diode (OLED) devices have received much attention, because they are expected to be a next generation display and light source, thanks to lightweight and flexible organic semiconductor materials. Organic semiconductor materials are mainly classified into small molecular and polymer types, and an oligomer type is a middle class between them.

## 1. Building Blocks for Small Molecule Semiconductor

Several features of small molecule organic semiconductors are that they are isolable in chemically pure form, it is possible to determine structures by a single crystal structure analysis, and it is possible to fabricate a thin-layer and to purify it by a vacuum deposition. In comparison with inorganic materials, organic materials are structurally diverse based on the carbon-centered geometry. Therefore, we can precisely control physical properties such as photo absorption, emission, energy level and solubility by applying organic synthesis. Several conventional coupling reactions can enable us to expand  $\pi$ -conjugated structures, and to produce oligomeric semiconductors. Thiophene derivatives are useful for p-type semiconductors (light absorbers) in OPV devices, because these materials show excellent light absorption and carrier mobility.<sup>4)</sup> Wide band gap carbazole derivatives (eg. CBP) and anthracene derivatives (eg. MADN) are good for host materials in OLED devices.<sup>5)</sup> Some of arylamine derivatives are suitable for the hole transport layer in OLEDs, because the materials enable us to fabricate an amorphous layer by vapor deposition and to demonstrate high hole mobility.<sup>6)</sup> Structures of n-type semiconductors (electron transport materials) consist of electron-deficient heterocycles such as pyrimidines, triazines, and benzimidazoles.

On the other hand, introduction of both donor and acceptor moieties into one molecule may produce small molecule

semiconductors with low band gaps. These semiconductor materials are useful for organic solar cells by their light absorption up to a low energy area.<sup>7)</sup> The donor-acceptor coexisting material, the so-called TIDS, is ambipolar having both hole and electron carriers.<sup>8)</sup> OLED requires new ambipolar organic semiconductors with well-balanced high hole and electron mobility.<sup>9,10)</sup> Nakamura and Tsuji *et al.* reported the ambipolar organic semiconductor, the so-called CZBDF. This material shows a wide band gap with well-balanced high hole and electron mobility, thus it is an ideal host material for OLED.<sup>11)</sup>

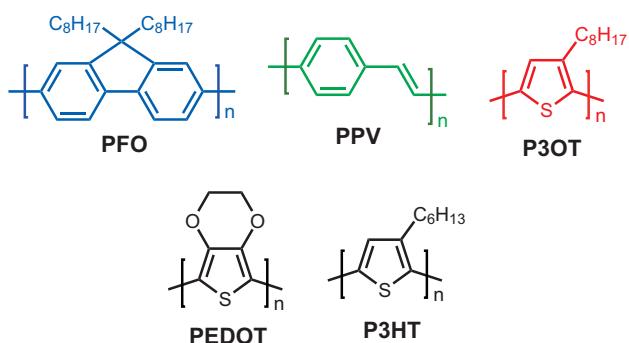


Palladium- and copper-catalyzed cross-coupling reactions can systematically and rapidly produce various organic compounds to develop new materials. The product list in this brochure represents plenty of 'Building Blocks for Small Molecule Semiconductor' bearing halogens, boronic acids (ester), stannyl groups, amino groups, or formyl groups.

## 2. Building Blocks for Polymer/Macromolecule Semiconductor

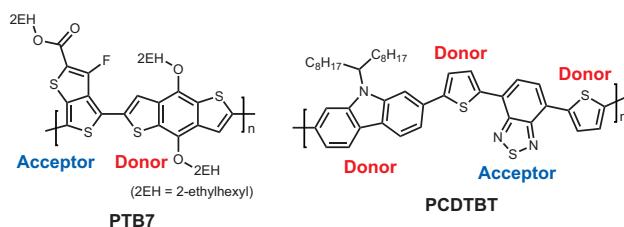
Research on semiconducting polymers receives much attention in the fields of OLED, OPV and organic field-effect transistors (OFET). A light-emitting layer in OLEDs may require a semiconducting polymer such as phenylene vinylenes (PPV). Polymer materials can provide film-formable and thermal resistant devices by a solution process to reduce manufacturing costs, although small molecule-based OLED devices are normally manufactured by vapor deposition. We can create various colored emissions by chemical modification of a  $\pi$ -conjugated polymer. For instance, polyfluorenes (PFO),<sup>12)</sup> PPVs<sup>13)</sup> and regiorandom poly(3-octylthiophene) (P3OT)<sup>14)</sup> exhibit blue, green and red emissions, respectively.

Recent research on organic electronics developed sulfur-containing polymers such as polythiophene. Poly(3,4-ethylenedioxythiophene) (PEDOT) is useful for a capacitor, organic transistor, hole transport material for an OLED device, and secondary battery as well as for an actuator, sensor and thermoelectric conversion element.<sup>15,16)</sup> PEDOT/PSS that is a mixture of PEDOT and polystyrene sulfonate (PSS), is widely used as a hole transport material for OPV.<sup>17)</sup> Poly(3-hexyl) thiophene (P3HT) can be blended with fullerene derivatives (eg. PCBM) to form an efficient bulk heterojunction. The polymer in the OPV device is a p-type semiconductor with light absorption.<sup>18)</sup>



Although P3HT and PFO are synthesized from polymerization of a sole monomer, a copolymerization of two different monomers can precisely control electronic structure of the resulting semiconducting polymer. Furthermore, the copolymerization enables us to produce a stable donor-acceptor (DA type) polymer with low energy HOMO level by combining an electron-rich monomer (donor) and an electron-poor monomer (acceptor).<sup>19-21)</sup> In addition to that, the DA polymer has a low band gap toward light absorption in the low energy region, and also may be an ambipolar semiconductor by *p*- or *n*-carrier doping.<sup>22,23)</sup>

### Low band gap polymers



A metal-catalyzed cross-coupling reaction can undergo copolymerization from halogenated monomers and boronated (ester) monomers. Selection of the monomers can provide diverse semiconducting polymers. A similar cross-coupling reaction is possible between a monomer with a trimethylstannyl group ( $SnMe_3$ ) and a halogenated monomer. After the reaction, trimethyltin halide forms as a by-product, however, it can be easily removed under vacuum conditions. The product list in this brochure represents plenty of ‘Building Blocks for Semiconducting Polymers’ bearing halogen, boronic acid (ester), stannyl group, etc.

## 3. Solubility Enhancing Reagents

Alkyl groups do not affect molecular electronic properties, because they do not strongly interact with  $\pi$ -conjugates. However, the effect of alkyl groups is large in the molecule-assembled solid state, modifying solubility and melting point by introduction of alkyl groups. In particular, organic devices require alkyl derivatization to increase solubility, because solution-processible manufacturing and printing technology for the large scale require soluble materials. In addition, the use of electron-withdrawing fluoroalkyl groups is good for forming soluble *n*-type organic semiconductors.<sup>24,25)</sup> Several OPV and OFET materials contain dialkylsilole.<sup>26)</sup> The product list in this brochure represents chemical reagents to introduce alkyl and dialkylsiloles.

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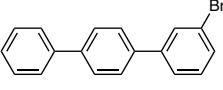
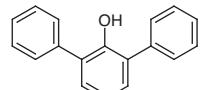
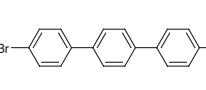
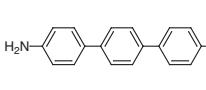
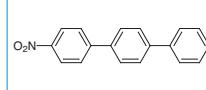
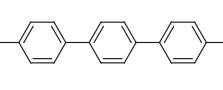
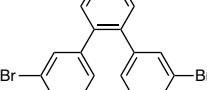
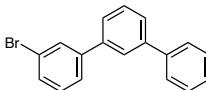
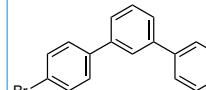
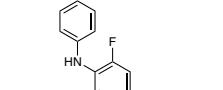
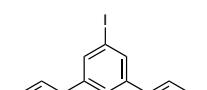
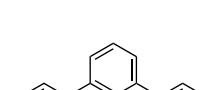
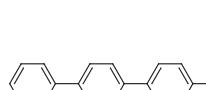
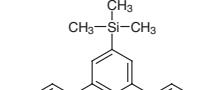
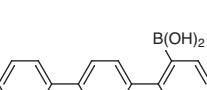
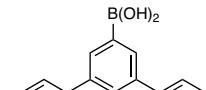
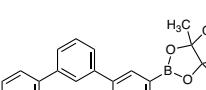
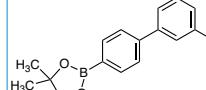
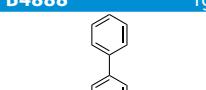
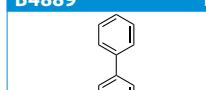
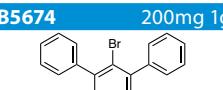
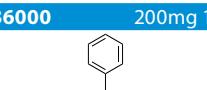
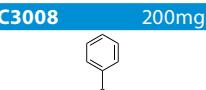
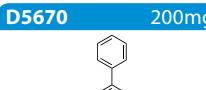
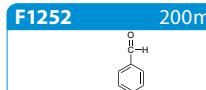
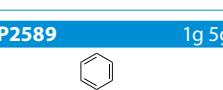
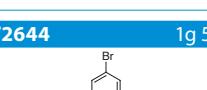
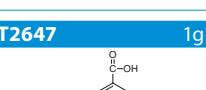
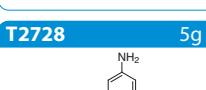
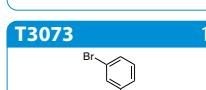
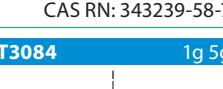
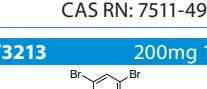
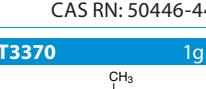
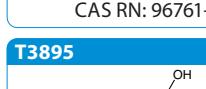
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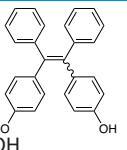
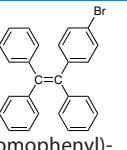
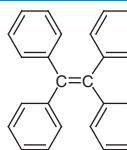
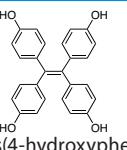
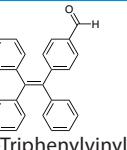
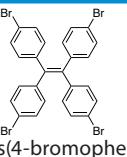
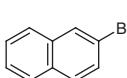
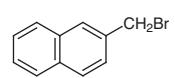
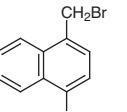
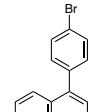
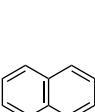
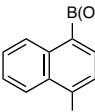
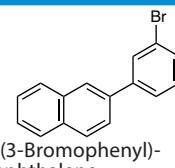
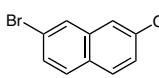
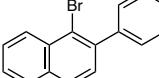
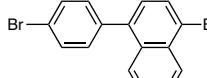
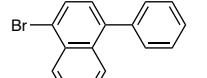
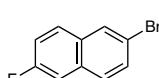
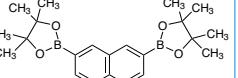
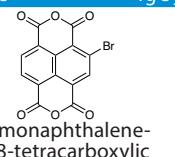
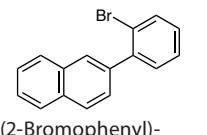
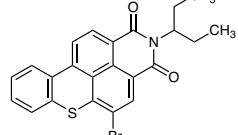
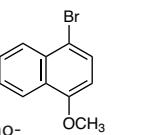
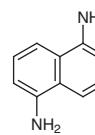
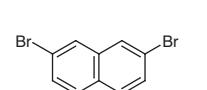
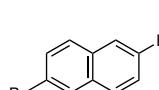
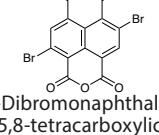
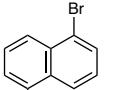
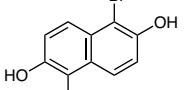
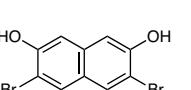
## Small Molecule Semiconductor Building Blocks

### Biphenyls

<b>B2490</b>	1g 5g	<b>B2860</b>	1g	<b>B1913</b>	5g 25g	<b>B1946</b>	5g
	<chem>(HO)2B-phenyl-phenyl-B(OH)2</chem>		<chem>Br-phenyl-phenyl-B(OH)2</chem>		<chem>Br-phenyl-phenyl-C(C)(C)C</chem>		<chem>I-phenyl-phenyl-C(C)(C)C</chem>
4,4'-Biphenyldiboronic Acid CAS RN: 4151-80-8		4'-Bromo-4-biphenylboronic Acid CAS RN: 480996-05-2		4-Bromo-4'-tert-butylbiphenyl CAS RN: 162258-89-1		4-tert-Butyl-4'-iodobiphenyl CAS RN: 320339-03-5	
<b>B5321</b>	200mg 1g	<b>B5703</b>	200mg 1g	<b>B5704</b>	200mg 1g	<b>B3648</b>	5g 25g
3-Bromo-4'-iodo-1,1'-biphenyl CAS RN: 187275-73-6		2,2'-Biphenyldiboronic Acid Bis(pinacol) Ester CAS RN: 398128-09-1		3,3'-Biphenyldiboronic Acid Bis(pinacol) Ester CAS RN: 850264-92-5		4-Bromo-4'-iodobiphenyl CAS RN: 105946-82-5	
<b>B5964</b>	1g 5g	<b>B5965</b>	1g 5g	<b>B5966</b>	1g 5g	<b>B5759</b>	5g 25g
3-(3-Bromophenyl)-benzonitrile CAS RN: 1040141-34-1		4-(3-Bromophenyl)-benzonitrile CAS RN: 160521-46-0		4-Bromo-4'-chloro-1,1'-biphenyl CAS RN: 23055-77-8		3-Bromo-3'-chloro-1,1'-biphenyl CAS RN: 844856-42-4	
<b>D1696</b>	1g 5g	<b>D2315</b>	25g 250g	<b>D2745</b>	1g	<b>B6023</b>	1g 5g
4,4'-Dibromo-octafluorobiphenyl CAS RN: 10386-84-2		4,4'-Diiodobiphenyl CAS RN: 3001-15-8		2,2'-Diiodobiphenyl CAS RN: 2236-52-4		3-Biphenylboronic Acid Pinacol Ester CAS RN: 912844-88-3	
<b>D5255</b>	1g 5g	<b>D5280</b>	1g	<b>D5281</b>	200mg 1g	<b>D5430</b>	1g 5g
2,2'-Diaminobiphenyl CAS RN: 1454-80-4		4,4'-Dihydroxy-2,2',3,3',5,5'-hexamethylbiphenyl CAS RN: 19956-76-4		4,4'-Dihydroxy-3,3',5,5'-tetraisopropylbiphenyl CAS RN: 2416-95-7		5,5'-Diido-2,2'-dimethylbiphenyl CAS RN: 1392203-19-8	
<b>I0537</b>	1g 5g	<b>I0785</b>	5g 25g	<b>I0967</b>	5g 25g	<b>I1055</b>	1g 5g
4-Iodo-4'-nitrobiphenyl CAS RN: 29170-08-9		4-Iodobiphenyl CAS RN: 1591-31-7		2-Iodobiphenyl CAS RN: 2113-51-1		3-Iodobiphenyl CAS RN: 20442-79-9	
<b>A1340</b>	1g 5g 25g	<b>B2155</b>	1g 5g	<b>B4308</b>	5g 25g	<b>B5760</b>	1g 5g
4-Amino-p-terphenyl CAS RN: 7293-45-0		4-Bromo-p-terphenyl CAS RN: 1762-84-1		5'-Bromo-m-terphenyl CAS RN: 103068-20-8		2-Bromo-p-terphenyl CAS RN: 3282-24-4	
<b>Terphenyls</b>							

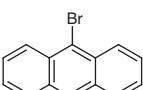
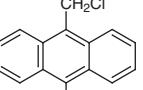
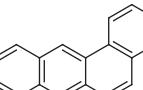
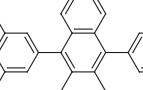
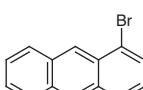
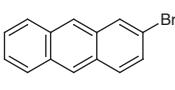
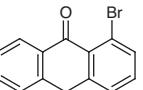
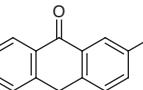
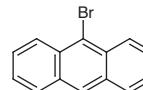
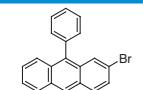
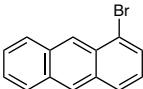
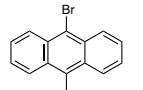
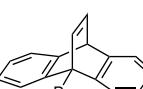
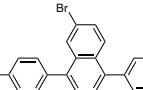
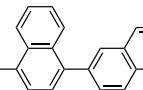
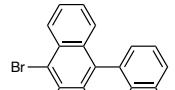
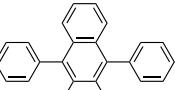
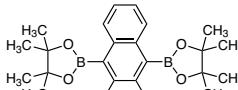
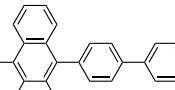
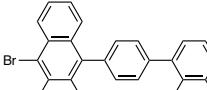
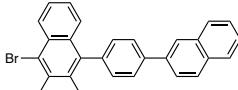
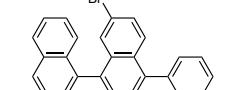
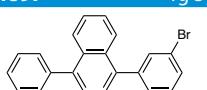
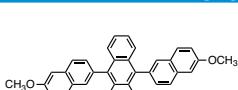
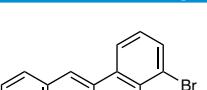
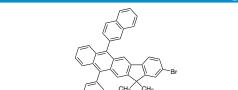
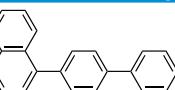
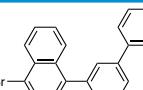
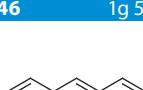
## Building Blocks for Organic Semiconductor

<b>B6127</b> 1g 5g  3-Bromo- <i>p</i> -terphenyl CAS RN: 1762-87-4	<b>D2563</b> 5g 25g  2,6-Diphenylphenol CAS RN: 2432-11-3	<b>D3372</b> 1g 5g  4,4''-Dibromo- <i>p</i> -terphenyl CAS RN: 17788-94-2	<b>D3390</b> 1g 5g  4,4''-Diamino- <i>p</i> -terphenyl CAS RN: 3365-85-3	<b>D3394</b> 1g 5g  4,4''-Dinitro- <i>p</i> -terphenyl CAS RN: 3282-11-9
<b>D3534</b> 1g 5g  4,4''-Diiodo- <i>p</i> -terphenyl CAS RN: 19053-14-6	<b>D4997</b> 200mg  3,3''-Dibromo- <i>o</i> -terphenyl CAS RN: 95918-90-4	<b>D4998</b> 200mg 1g  4,4''-Dibromo- <i>o</i> -terphenyl CAS RN: 24253-43-8	<b>D4999</b> 200mg 1g  3,3''-Dibromo- <i>m</i> -terphenyl CAS RN: 95962-62-2	<b>D5023</b> 200mg 1g  4,4''-Dibromo- <i>m</i> -terphenyl CAS RN: 83909-22-2
<b>F1070</b> 200mg  5'-Fluoro- <i>N</i> -phenyl-[1,1':3',1''-terphenyl]-4'-amine CAS RN: 1228153-91-0	<b>I0969</b> 200mg 1g  5'-Iodo- <i>m</i> -terphenyl CAS RN: 87666-86-2	<b>I1086</b> 1g  2'-Iodo- <i>m</i> -terphenyl CAS RN: 82777-09-1	<b>N0610</b> 1g 5g  4-Nitro- <i>p</i> -terphenyl CAS RN: 10355-53-0	<b>P2693</b> 200mg 1g  1,2,4-Triphenylbenzene CAS RN: 1165-53-3
<b>T1871</b> 1g  ( <i>m</i> -Terphenyl-5'-yl)-trimethylsilane CAS RN: 128388-53-4	<b>T2412</b> 1g  2- <i>p</i> -Terphenylboronic Acid CAS RN: 663954-31-2	<b>T2792</b> 1g  5'- <i>m</i> -Terphenylboronic Acid CAS RN: 128388-54-5	<b>T3828</b> 250mg 1g  (1,1':3',1''-Terphenyl)-3-ylboronic Acid Pinacol Ester CAS RN: 1115023-84-1	<b>T3873</b> 200mg 1g  (1,1':3',1''-Terphenyl)-4-ylboronic Acid Pinacol Ester CAS RN: 1385826-84-5
<b>T3874</b> 1g 5g  (1,1':4',1''-Terphenyl)-3-ylboronic Acid Pinacol Ester CAS RN: 1401577-23-8	<b>T3875</b> 1g  (1,1':4',1''-Terphenyl)-4-ylboronic Acid Pinacol Ester CAS RN: 1080632-76-3	<h2>Triphenylbenzenes</h2>	<b>B4888</b> 1g 5g  3-Bromo-5'-phenyl- <i>m</i> -terphenyl CAS RN: 1233200-57-1	<b>B4889</b> 1g 5g  4-Bromo-5'-phenyl- <i>m</i> -terphenyl CAS RN: 116941-52-7
<b>B5674</b> 200mg 1g  2'-Bromo-5'-phenyl- <i>m</i> -terphenyl CAS RN: 10368-73-7	<b>B6000</b> 200mg 1g  2-Bromo-5'-phenyl-1,1':3',1''-terphenyl CAS RN: 1890136-54-5	<b>C3008</b> 200mg 1g  4-Chloro-5'-phenyl-1,1':3',1''-terphenyl CAS RN: 116941-51-6	<b>D5670</b> 200mg 1g  3,5-Dibromo-5'-phenyl-1,1':3',1''-terphenyl CAS RN: 942132-66-3	<b>F1252</b> 200mg 1g  1,3,5-Tris(4-formylphenyl)-benzene CAS RN: 118688-53-2
<b>P2589</b> 1g 5g  5'-Phenyl- <i>m</i> -terphenyl-4-amine CAS RN: 343239-58-7	<b>T2644</b> 1g 5g  1,3,5-Tris(4-bromophenyl)-benzene CAS RN: 7511-49-1	<b>T2647</b> 1g 5g  1,3,5-Tris(4-carboxyphenyl)-benzene CAS RN: 50446-44-1	<b>T2728</b> 5g 25g  1,3,5-Tris(4-aminophenyl)-benzene CAS RN: 118727-34-7	<b>T3073</b> 1g 5g  1,3,5-Tris(3-bromophenyl)-benzene CAS RN: 96761-85-2
<b>T3084</b> 1g 5g  1,3,5-Tris(4-iodophenyl)-benzene CAS RN: 151417-38-8	<b>T3213</b> 200mg 1g  1,3,5-Tris(3,5-dibromophenyl)-benzene CAS RN: 29102-67-8	<b>T3370</b> 1g 5g  1,3,5-Tri( <i>p</i> -tolyl)benzene CAS RN: 50446-43-0	<h2>Tetraphenylethylenes</h2>	<b>T3895</b> 1g  4-(1,2,2-Triphenylvinyl)-phenol CAS RN: 76115-06-5

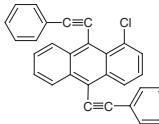
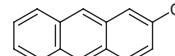
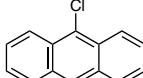
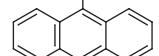
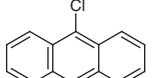
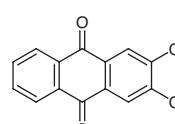
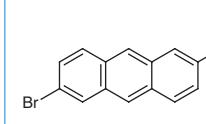
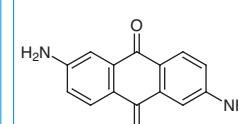
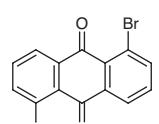
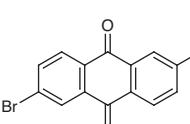
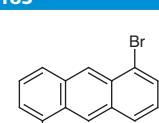
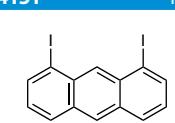
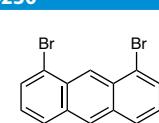
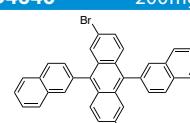
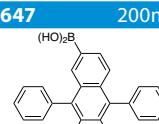
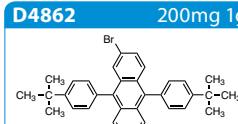
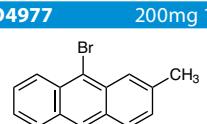
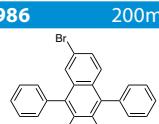
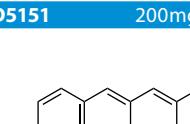
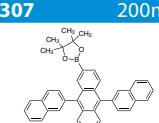
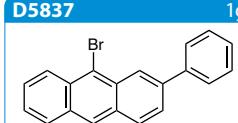
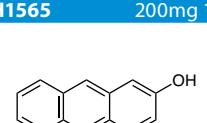
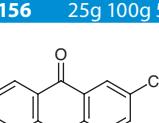
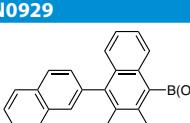
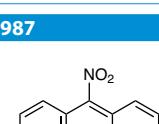
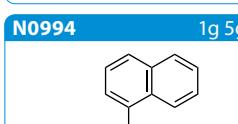
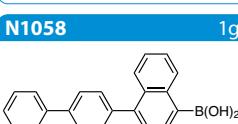
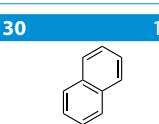
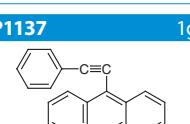
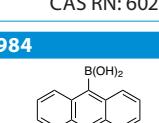
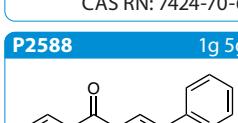
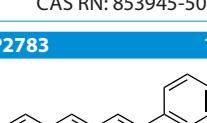
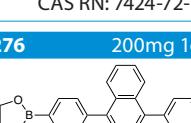
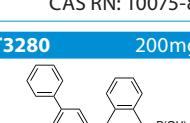
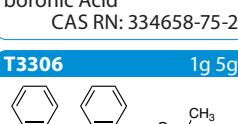
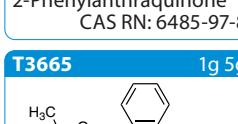
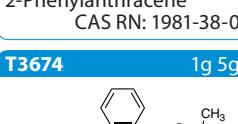
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<b>T3423</b> 1g 5g  Tetrakis(4-bromophenyl)ethylene CAS RN: 61326-44-1	<b>Naphthalenes</b>		<b>B0618</b> 25g 100g 500g  1-Bromonaphthalene CAS RN: 90-11-9	<b>B0619</b> 5g 25g  2-Bromonaphthalene CAS RN: 580-13-2
<b>B1524</b> 5g 25g  2-(Bromomethyl)naphthalene CAS RN: 939-26-4	<b>B1919</b> 1g 5g  1,4-Bis(bromomethyl)naphthalene (contains isomer) CAS RN: 58791-49-4	<b>B3978</b> 1g 5g  1-(4-Bromophenyl)naphthalene CAS RN: 204530-94-9	<b>B4159</b> 1g  2-(4-Bromophenyl)naphthalene CAS RN: 22082-99-1	<b>B4463</b> 1g  4-Bromo-1-naphthaleneboronic Acid CAS RN: 145965-14-6
<b>B4563</b> 5g 25g  1-(Bromomethyl)naphthalene CAS RN: 3163-27-7	<b>B4568</b> 1g 5g  2-(3-Bromophenyl)naphthalene CAS RN: 667940-23-0	<b>B4580</b> 1g 5g  7-Bromo-2-naphthol CAS RN: 116230-30-9	<b>B4636</b> 200mg 1g  1-Bromo-2-phenylnaphthalene CAS RN: 22082-93-5	<b>B4864</b> 1g 5g  1-Bromo-4-iodonaphthalene CAS RN: 63279-58-3
<b>B5056</b> 1g 5g  1-Bromo-4-(4-bromophenyl)naphthalene CAS RN: 952604-26-1	<b>B5105</b> 1g 5g  1-Bromo-4-phenylnaphthalene CAS RN: 59951-65-4	<b>B5220</b> 200mg 1g  1-Bromo-8-iodonaphthalene CAS RN: 4044-58-0	<b>B5229</b> 1g  2-Bromo-6-fluoronaphthalene CAS RN: 324-41-4	<b>B5288</b> 1g  2,7-Naphthalenediboronic Acid Bis(pinacol) Ester CAS RN: 853377-10-3
<b>B5756</b> 1g 5g  2-Bromonaphthalene-1,4,5,8-tetracarboxylic Dianhydride CAS RN: 846-20-8	<b>B6100</b> 1g 5g  2-(2-Bromophenyl)naphthalene CAS RN: 22082-97-9	<b>B6102</b> 200mg  Br-BTXI CAS RN: 2253748-36-4	<b>B6147</b> 5g 25g  1-Bromo-4-methoxynaphthalene CAS RN: 5467-58-3	<b>D0101</b> 25g 100g 500g  1,5-Diaminonaphthalene CAS RN: 2243-62-1
<b>D2359</b> 5g 25g  1,4-Dibromonaphthalene CAS RN: 83-53-4	<b>D3624</b> 5g 25g  2,7-Dibromonaphthalene CAS RN: 58556-75-5	<b>D4154</b> 1g  2,6-Dibromonaphthalene CAS RN: 13720-06-4	<b>D4339</b> 1g 5g  2,6-Dibromonaphthalene-1,4,5,8-tetracarboxylic Dianhydride CAS RN: 83204-68-6	<b>D4597</b> 200mg 1g  2,3-Dibromonaphthalene CAS RN: 13214-70-5
<b>D4656</b> 1g 5g  1,8-Dibromonaphthalene CAS RN: 17135-74-9	<b>D4660</b> 1g 5g  1,5-Dibromonaphthalene CAS RN: 7351-74-8	<b>D4668</b> 5g 25g  1,5-Dibromo-2,6-naphthalenediol CAS RN: 132178-78-0	<b>D4669</b> 1g 5g  3,6-Dibromo-2,7-naphthalenediol CAS RN: 96965-79-6	<b>D5689</b> 1g 5g  1,5-DAN (purified by sublimation) CAS RN: 2243-62-1

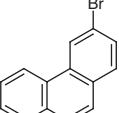
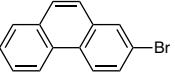
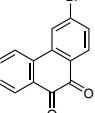
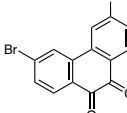
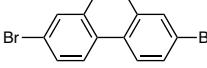
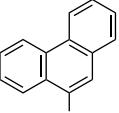
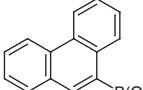
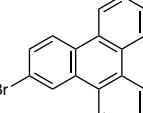
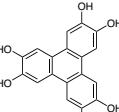
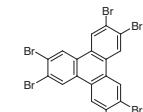
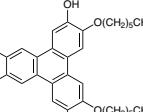
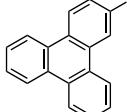
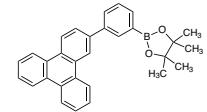
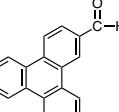
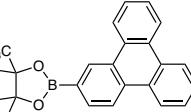
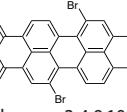
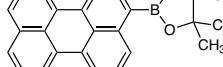
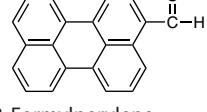
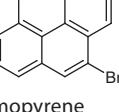
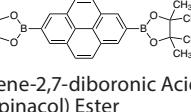
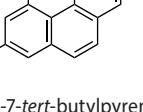
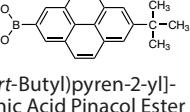
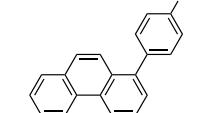
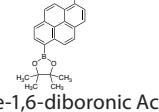
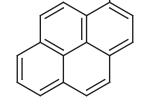
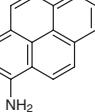
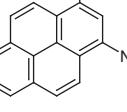
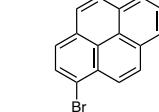
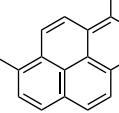
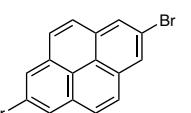
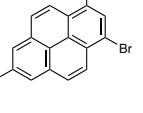
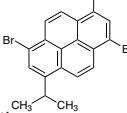
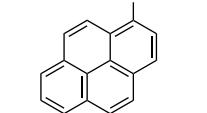
## Building Blocks for Organic Semiconductor

<b>E0933</b> 2-Ethylnaphthalene CAS RN: 2949-26-0	<b>I0266</b> 1-Iodonaphthalene CAS RN: 90-14-2	<b>I1151</b> 2-Iodonaphthalene CAS RN: 612-55-5	<b>M3588</b> 2-Methoxy-6-vinylnaphthalene CAS RN: 63444-51-9	<b>N0002</b> 1-Naphthaldehyde CAS RN: 66-77-3
<b>N0003</b> 2-Naphthaldehyde CAS RN: 66-99-9	<b>N0052</b> 1-Naphthylamine CAS RN: 134-32-7	<b>N0212</b> 1-Nitronaphthalene CAS RN: 86-57-7	<b>N0630</b> 1-Naphthaleneboronic Acid CAS RN: 13922-41-3	<b>N0649</b> 2-Naphthaleneboronic Acid CAS RN: 32316-92-0
<b>N0798</b> 4-(1-Naphthyl)-phenylboronic Acid CAS RN: 870774-25-7	<b>N0946</b> 4-(2-Naphthyl)-phenylboronic Acid CAS RN: 918655-03-5	<b>N1008</b> 2-(2-Naphthyl)-phenylboronic Acid CAS RN: 1061350-97-7	<b>N1009</b> 3-(2-Naphthyl)-phenylboronic Acid CAS RN: 870774-29-1	<b>N1010</b> [1,1'-Binaphthalen]-4-yIboronic Acid CAS RN: 363607-69-6
<b>N1071</b> 2,7-Naphthaleneditriflate CAS RN: 151391-00-3	<b>N1131</b> 3-(1-Naphthyl)-phenylboronic Acid CAS RN: 881913-20-8	<b>P2290</b> 4-Phenylnaphthalene-1-boronic Acid CAS RN: 372521-91-0	<b>T3292</b> 1-(Trimethoxysilyl)-naphthalene CAS RN: 18052-76-1	<b>T3298</b> Naphthalene-2-boronic Acid Pinacol Ester CAS RN: 256652-04-7
<b>T3674</b> 10-(2-Naphthyl)anthracene-9-boronic Acid Pinacol Ester CAS RN: 922518-84-1	<b>V0040</b> 1-Vinylnaphthalene (stabilized with TBC) CAS RN: 826-74-4	<b>Anthracenes/ Anthraquinones</b>		<b>A0502</b> Anthraquinone CAS RN: 84-65-1
<b>A0779</b> 9-Anthraldehyde CAS RN: 642-31-9	<b>A1150</b> 2-Anthroic Acid CAS RN: 613-08-1	<b>A1220</b> 1-Anthracenecarboxylic Acid CAS RN: 607-42-1	<b>A1687</b> 2-Anthramine CAS RN: 613-13-8	<b>A0690</b> 9-Anthroic Acid CAS RN: 723-62-6
<b>A1748</b> 9-Anthramine CAS RN: 779-03-3	<b>A1843</b> 2-Anthraceneboronic Acid CAS RN: 141981-64-8	<b>A1894</b> Anthraflavic Acid CAS RN: 84-60-6	<b>A2328</b> 9-Anthraceneboronic Acid CAS RN: 100622-34-2	<b>A2664</b> 9,10-Diformylanthracene CAS RN: 7044-91-9
<b>A3127</b> 2,6-Bis(trifluoromethanesulfonyloxy)anthracene CAS RN: 594838-61-6	<b>A3184</b> 2-(9-Anthryl)-4,4,5,5-tetramethyl-1,3,2-dioxaborolane CAS RN: 709022-63-9	<b>A3556</b> 2-Aminoanthracene-9,10-dione CAS RN: 117-79-3	<b>B0018</b> 1,2-Benzanthraquinone CAS RN: 2498-66-0	<b>B0816</b> 2-tert-Butyl-anthraquinone CAS RN: 84-47-9

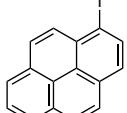
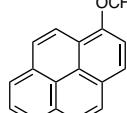
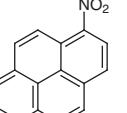
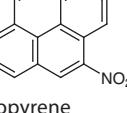
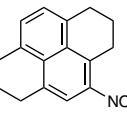
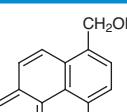
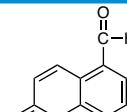
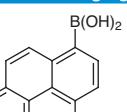
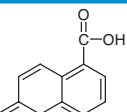
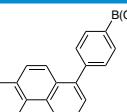
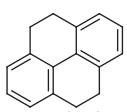
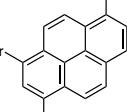
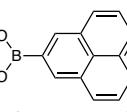
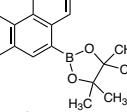
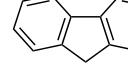
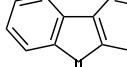
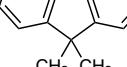
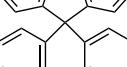
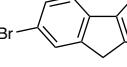
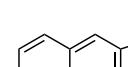
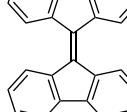
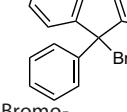
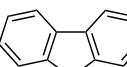
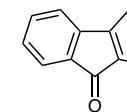
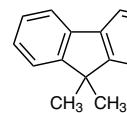
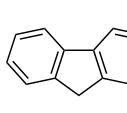
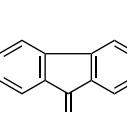
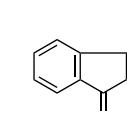
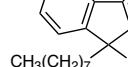
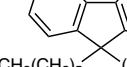
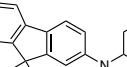
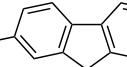
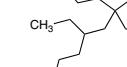
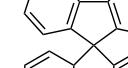
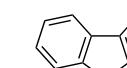
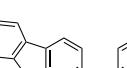
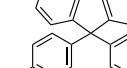
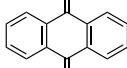
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<b>B5751</b>  9-(4-Biphenylyl)-10-bromo-2-phenylanthracene CAS RN: 1195975-03-1	<b>B5770</b>  10-(4-[1,1'-Biphenyl]-3-yl)-9-boronic Acid Pinacol Ester CAS RN: 1416243-42-9	<b>B5771</b>  9-Bromo-10-[3-(1-naphthyl)phenyl]anthracene CAS RN: 1304129-94-9	<b>B6114</b>  4-(10-Bromoanthracen-9-yl)benzonitrile CAS RN: 937372-45-7	<b>C1046</b>  9-Chloromethylanthracene CAS RN: 24463-19-2

## Building Blocks for Organic Semiconductor

<b>C1289</b> 1g 10g  1-Chloro-9,10-bis(phenylethynyl)anthracene CAS RN: 41105-35-5	<b>C1962</b> 1g  2-Chloroanthracene CAS RN: 17135-78-3	<b>C3765</b> 5g 25g  9-Chloroanthracene CAS RN: 716-53-0	<b>D0166</b> 25g 100g 500g  9,10-Dibromoanthracene CAS RN: 523-27-3	<b>D0327</b> 1g 10g  9,10-Dichloroanthracene CAS RN: 605-48-1
<b>D2980</b> 1g 5g  2,3-Dimethylanthraquinone CAS RN: 6531-35-7	<b>D3171</b> 1g 5g  2,6-Dibromoanthracene CAS RN: 186517-01-1	<b>D3180</b> 25g 250g  2,6-Diaminoanthraquinone CAS RN: 131-14-6	<b>D3181</b> 1g  1,5-Dibromoanthraquinone CAS RN: 602-77-7	<b>D3182</b> 1g 5g  2,6-Dibromoanthraquinone CAS RN: 633-70-5
<b>D3183</b> 1g  1,5-Dibromoanthracene CAS RN: 3278-82-8	<b>D4151</b> 1g 5g  1,8-Diodoanthracene CAS RN: 189105-78-0	<b>D4230</b> 1g 5g  1,8-Dibromoanthracene CAS RN: 131276-24-9	<b>D4254</b> 1g 5g  10,10'-Dibromo-9,9'-bianthracene CAS RN: 121848-75-7	<b>D4646</b> 200mg 1g  2,6-Dibromo-9,10-di(2-naphthyl)anthracene CAS RN: 561064-15-1
<b>D4647</b> 200mg 1g  9,10-Diphenylanthracene-2-boronic Acid CAS RN: 597553-98-5	<b>D4862</b> 200mg 1g  2,6-Dibromo-9,10-bis(4-tert-butylphenyl)anthracene CAS RN: 1187763-68-3	<b>D4977</b> 200mg 1g  9,10-Dibromo-2-methylanthracene CAS RN: 177839-45-1	<b>D4986</b> 200mg 1g  2,6-Dibromo-9,10-diphenylanthracene CAS RN: 528609-98-5	<b>D5151</b> 200mg 1g  2,6-Anthracenediol CAS RN: 101488-73-7
<b>D5307</b> 200mg 1g  [9,10-Di(naphthalen-2-yl)-anthracen-2-yl]boronic Acid Pinacol Ester CAS RN: 624744-67-8	<b>D5837</b> 1g  9,10-Dibromo-2-phenylanthracene CAS RN: 929103-26-4	<b>H1565</b> 200mg 1g  2-Hydroxyanthracene CAS RN: 613-14-9	<b>M0156</b> 25g 100g 500g  2-Methylanthraquinone CAS RN: 84-54-8	<b>N0929</b> 1g  10-(2-Naphthyl)anthracene-9-boronic Acid CAS RN: 597554-03-5
<b>N0987</b> 1g 5g  9-Nitroanthracene CAS RN: 602-60-8	<b>N0994</b> 1g 5g  9-(1-Naphthyl)anthracene CAS RN: 7424-70-6	<b>N1058</b> 1g  [10-[4-(1-Naphthyl)phenyl]-9-anthryl]boronic Acid CAS RN: 853945-50-3	<b>N1130</b> 1g 5g  9-(2-Naphthyl)anthracene CAS RN: 7424-72-8	<b>P1137</b> 1g 5g  9,10-Bis(phenylethynyl)-anthracene CAS RN: 10075-85-1
<b>P1984</b> 1g  10-Phenyl-9-anthraceneboronic Acid CAS RN: 334658-75-2	<b>P2588</b> 1g 5g  2-Phenylanthraquinone CAS RN: 6485-97-8	<b>P2783</b> 1g  2-Phenylanthracene CAS RN: 1981-38-0	<b>T3276</b> 200mg 1g  4-(10-Phenylanthracen-9-yl)phenylboronic Acid Pinacol Ester CAS RN: 1143576-84-4	<b>T3280</b> 200mg 1g  10-(1,1':3',1"-Terphenyl-5'-yl)anthracene-9-boronic Acid CAS RN: 1415334-59-6
<b>T3306</b> 1g 5g  10-(1-Naphthyl)anthracene-9-boronic Acid Pinacol Ester CAS RN: 1149804-35-2	<b>T3665</b> 1g 5g  10-Phenylanthracene-9-boronic Acid Pinacol Ester CAS RN: 460347-59-5	<b>T3674</b> 1g 5g  10-(2-Naphthyl)anthracene-9-boronic Acid Pinacol Ester CAS RN: 922518-84-1		<b>Phenanthrenes</b>
				<b>B0838</b> 25g 250g  9-Bromophenanthrene CAS RN: 573-17-1

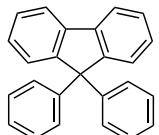
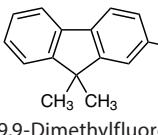
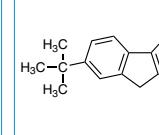
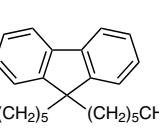
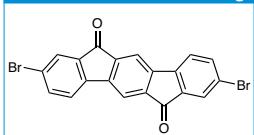
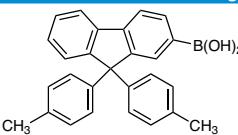
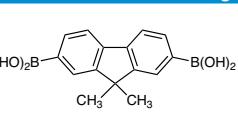
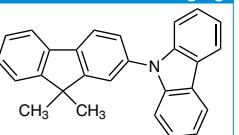
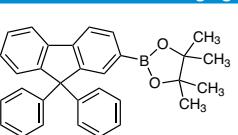
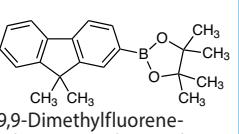
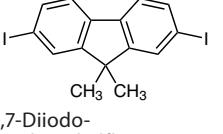
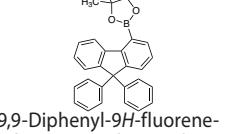
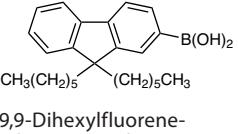
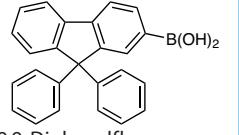
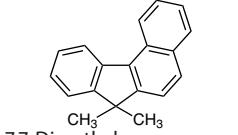
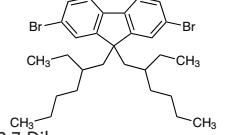
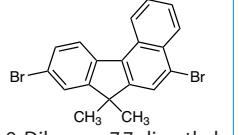
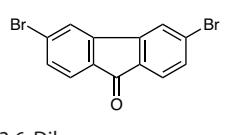
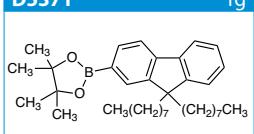
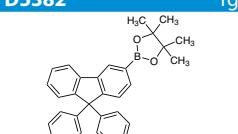
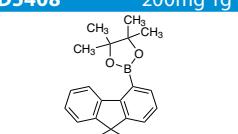
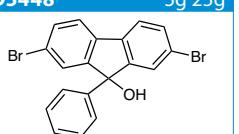
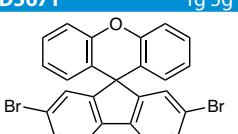
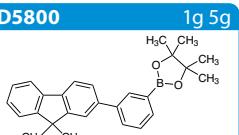
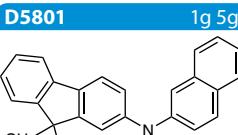
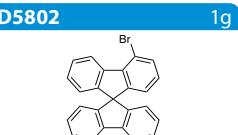
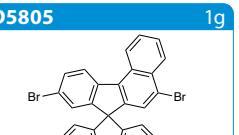
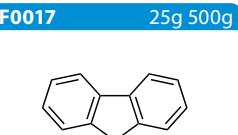
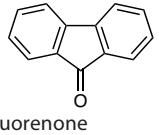
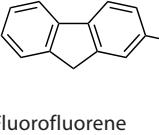
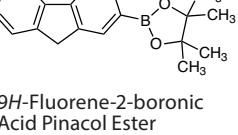
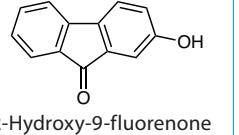
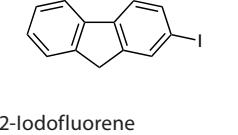
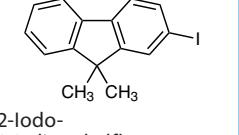
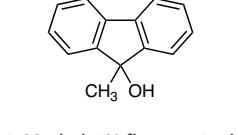
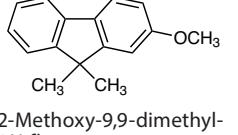
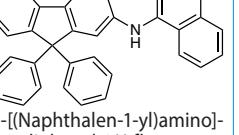
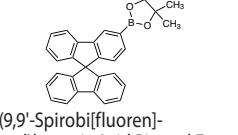
<b>B2387</b> 100mg  3-Bromophenanthrene CAS RN: 715-50-4	<b>B4671</b> 200mg 1g  2-Bromophenanthrene CAS RN: 62162-97-4	<b>B6037</b> 1g 5g  3-Bromophenanthrene-9,10-dione CAS RN: 13292-05-2	<b>D4692</b> 1g  3,6-Dibromophenanthrene-9,10-dione CAS RN: 53348-05-3	<b>D5050</b> 200mg 1g  2,7-Dibromophenanthrene CAS RN: 62325-30-8
<b>E1301</b> 1g 5g  9-Ethynylphenanthrene CAS RN: 32870-98-7	<b>P1093</b> 1g 5g  9-Phenanthreneboronic Acid CAS RN: 68572-87-2	<b>Triphenylenes</b>		<b>D4801</b> 200mg  2,7-Dibromotriphenylene CAS RN: 888041-37-0
<b>H0907</b> 1g 5g  2,3,6,7,10,11-Hexahydroxy-triphenylene CAS RN: 4877-80-9	<b>H1201</b> 100mg 1g  2,3,6,7,10,11-Hexabromo-triphenylene CAS RN: 82632-80-2	<b>H1677</b> 200mg  3,6,7,10,11-Pentakis(hexyloxy)-triphenylene-2-ol CAS RN: 156244-98-3	<b>I0978</b> 200mg 1g  2-Iodotriphenylene CAS RN: 1228778-59-3	<b>T3261</b> 200mg 1g  4,4,5,5-Tetramethyl-2-[3-(triphenylen-2-yl)phenyl]-1,3,2-dioxaborolane CAS RN: 1115639-92-3
<b>T3304</b> 200mg 1g  2-Triphenylene-carboxaldehyde CAS RN: 96404-79-4	<b>T3322</b> 1g 5g  Triphenylen-2-ylboronic Acid Pinacol Ester CAS RN: 890042-13-4	<b>Perylenes</b>		<b>D3871</b> 1g 5g  1,7-Dibromo-3,4,9,10-perylenetetracarboxylic Dianhydride CAS RN: 118129-60-5
<b>T3089</b> 200mg 1g  (3-Perylenyl)boronic Acid Pinacol Ester CAS RN: 950761-81-6	<b>Pyrenes</b>		<b>A0632</b> 1g 5g 25g  1-Aminopyrene CAS RN: 1606-67-3	<b>P2110</b> 1g 5g  3-Formylpyrene CAS RN: 35438-63-2
<b>B2807</b> 1g 5g  4-Bromopyrene CAS RN: 1732-26-9	<b>B3956</b> 1g 5g  Pyrene-2,7-diboronic Acid Bis(pinacol) Ester CAS RN: 688756-58-3	<b>B3957</b> 1g 5g  2-Bromo-7-tert-butylpyrene CAS RN: 78751-80-1	<b>B5489</b> 1g 5g  [7-(tert-Butyl)pyren-2-yl]boronic Acid Pinacol Ester CAS RN: 1270030-08-4	<b>B5755</b> 1g 5g  1-(4-Bromophenyl)pyrene CAS RN: 345924-29-0
<b>B6006</b> 1g 5g  Pyrene-1,6-diboronic Acid Bis(pinacol) Ester CAS RN: 950779-13-2	<b>C1637</b> 1g  1-Chloromethylpyrene CAS RN: 1086-00-6	<b>D2160</b> 100mg 500mg  1,6-Diaminopyrene CAS RN: 14923-84-3	<b>D2167</b> 100mg  1,3-Diaminopyrene CAS RN: 92821-64-2	<b>D3167</b> 1g 5g  1,6-Dibromopyrene CAS RN: 27973-29-1
<b>D3168</b> 200mg  1,8-Dibromopyrene CAS RN: 38303-35-4	<b>D3169</b> 1g  2,7-Dibromopyrene CAS RN: 102587-98-4	<b>D4187</b> 1g 5g  1,3-Dibromo-7-tert-butylpyrene CAS RN: 1005771-04-9	<b>D5236</b> 200mg 1g  1,6-Dibromo-3,8-diisopropylpyrene CAS RN: 869340-02-3	<b>E0939</b> 200mg 1g  1-Ethynylpyrene CAS RN: 34993-56-1

## Building Blocks for Organic Semiconductor

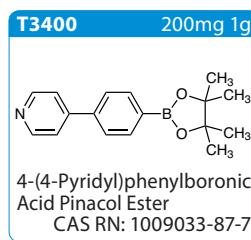
<b>I0977</b> 200mg 1g  1-Iodopyrene CAS RN: 34244-15-0	<b>M2919</b> 1g 5g  1-Methoxypyrene CAS RN: 34246-96-3	<b>N0419</b> 5g 25g  1-Nitropyrene CAS RN: 5522-43-0	<b>N0838</b> 1g  4-Nitropyrene CAS RN: 57835-92-4	<b>N1061</b> 1g  4-Nitro-1,2,3,6,7,8-hexahydronaphthalene CAS RN: 88535-47-1
<b>P1221</b> 1g 5g  1-Pyrenemethanol CAS RN: 24463-15-8	<b>P1448</b> 1g 5g  1-Formylpyrene CAS RN: 3029-19-4	<b>P1625</b> 1g 5g 25g  1-Pyreneboronic Acid CAS RN: 164461-18-1	<b>P1687</b> 1g 5g  1-Pyrene carboxylic Acid CAS RN: 19694-02-1	<b>P2305</b> 1g 5g  4-(1-Pyrenyl)phenylboronic Acid CAS RN: 872050-52-7
<b>T2655</b> 100mg  4,5,9,10-Tetrahydronaphthalene (purified by sublimation) CAS RN: 781-17-9	<b>T2716</b> 5g  1,3,6,8-Tetrabromopyrene CAS RN: 128-63-2	<b>T3150</b> 1g 5g  2-Pyreneboronic Acid Pinacol Ester CAS RN: 853377-11-4	<b>T3857</b> 250mg  4-Pyreneboronic Acid Pinacol Ester CAS RN: 888950-09-2	<b>Fluorenes/ Fluorenones</b>
<b>A0621</b> 5g 25g  2-Aminofluorene CAS RN: 153-78-6	<b>A1040</b> 1g 5g  2-Amino-9-fluorenone CAS RN: 3096-57-9	<b>A2634</b> 200mg 1g  2-Amino- 9,9-dimethylfluorene CAS RN: 108714-73-4	<b>A2779</b> 1g 5g  2-Amino- 9,9-diphenylfluorene CAS RN: 1268519-74-9	<b>A3061</b> 1g  2-Acetyl-7-bromofluorene CAS RN: 34172-50-4
<b>B0059</b> 100mg 1g  2,3-Benzofluorene CAS RN: 243-17-4	<b>B1318</b> 1g  9,9'-Bifluorenylidene CAS RN: 746-47-4	<b>B1702</b> 5g 25g  9-Bromo- 9-phenylfluorene CAS RN: 55135-66-5	<b>B3069</b> 5g 25g 100g  2-Bromofluorene CAS RN: 1133-80-8	<b>B3109</b> 5g 25g  2-Bromo-9-fluorenone CAS RN: 3096-56-8
<b>B3560</b> 1g 5g  2-Bromo- 9,9'-spirobi[9H-fluorene] CAS RN: 171408-76-7	<b>B3894</b> 5g 25g  2-Bromo- 9,9-dimethylfluorene CAS RN: 28320-31-2	<b>B3931</b> 200mg 1g  1,2-Benzofluorene CAS RN: 238-84-6	<b>B3932</b> 5g  11H-Benzo[b]fluoren-11-one CAS RN: 3074-03-1	<b>B3933</b> 1g  11H-Benzo[q]fluoren-11-one CAS RN: 479-79-8
<b>B4366</b> 1g  2-Bromo- 9,9-di-n-octylfluorene CAS RN: 302554-80-9	<b>B4404</b> 200mg 1g  2-Bromo- 9,9-dihexylfluorene CAS RN: 226070-05-9	<b>B4424</b> 1g 5g  2-(4-Biphenylamino)- 9,9-dimethylfluorene CAS RN: 897671-69-1	<b>B4431</b> 5g 25g  2-Bromo-7-iodofluorene CAS RN: 123348-27-6	<b>B4441</b> 1g  2-Bromo- 9,9-bis(2-ethylhexyl)fluorene CAS RN: 355135-07-8
<b>B4450</b> 1g 5g  2-Bromo- 9,9-diphenylfluorene CAS RN: 474918-32-6	<b>B4661</b> 200mg 1g  4-Bromo- 9,9-dimethylfluorene CAS RN: 942615-32-9	<b>B4664</b> 1g 5g  Bis(9,9-dimethyl- 9H-fluoren-2-yl)amine CAS RN: 500717-23-7	<b>B4665</b> 1g 5g  9,9-Bis(3,4-dihydroxyphenyl)fluorene CAS RN: 351521-78-3	<b>B4668</b> 1g  2-Bromo-13,13-dimethyl-6H- indeno[1,2-b]anthracene- 6,11(13H)-dione CAS RN: 1196107-73-9

<b>B4776</b> 4-Bromo-9,9-diphenylfluorene CAS RN: 713125-22-5	<b>B4834</b> 9,9-Bis(4-hydroxyphenyl)-fluorene (purified by sublimation) CAS RN: 3236-71-3	<b>B4952</b> 9-Bromo-7,7-dimethyl-7H-benzo[c]fluorene CAS RN: 1198396-46-1	<b>B5031</b> 4-Bromo-9,9'-spirobi[9H-fluorene] CAS RN: 1161009-88-6	<b>B5122</b> 2-(2-Biphenyl)amino-9,9-dimethylfluorene CAS RN: 1198395-24-2
<b>B5126</b> 2-Bromo-9,9-diethylfluorene CAS RN: 287493-15-6	<b>B5127</b> 2-Bromo-9,9-dibutylfluorene CAS RN: 88223-35-2	<b>B5157</b> 9,9-Dimethylfluorene-2,7-diboronic Acid Bis(pinacol) Ester CAS RN: 325129-69-9	<b>B5221</b> 9-(4-Bromophenyl)-9-phenylfluorene CAS RN: 937082-81-0	<b>B5327</b> 2-Bromo-9,9-difluoro-7-iodo-9H-fluorene CAS RN: 1499193-60-0
<b>B5436</b> 3-Bromo-9,9-dimethyl-9H-fluorene CAS RN: 1190360-23-6	<b>B5521</b>	<b>B5580</b> 7-Bromo-9,9-di-n-octyl-9H-fluorene-2-boronic Acid Pinacol Ester CAS RN: 620624-96-6	<b>B5581</b> 2-Bromo-13,13-dimethyl-6,11-di(naphthalen-2-yl)-13H-indeno[1,2-b]anthracene CAS RN: 1196107-75-1	<b>B5616</b> 9-(3-Bromophenyl)-9-phenyl-9H-fluorene CAS RN: 1257251-75-4
<b>B5617</b> 9,9-Bis(4-methoxyphenyl)-9H-fluorene CAS RN: 117766-40-2	<b>B5618</b> 3-Bromo-9,9-diphenyl-9H-fluorene CAS RN: 1547491-70-2	<b>B5619</b> 2-Bromo-9,9-di-p-tolyl-9H-fluorene CAS RN: 474918-33-7	<b>B5656</b> (9,9'-Spirobi[9H-fluorene]-2,7-diyl)bis(boronic Acid Pinacol Ester) CAS RN: 728911-52-2	<b>B5673</b> 3-Bromo-9H-fluoren-9-one CAS RN: 2041-19-2
<b>B5678</b> 2-Bromo-9-phenyl-9-fluorenol CAS RN: 736928-22-6	<b>B5719</b> N-[1,1'-Biphenyl]-4-yl)-N-(4'-bromo-[1,1'-biphenyl]-4-yl)-9,9-dimethyl-9H-fluoren-2-amine CAS RN: 1268621-99-3	<b>B5773</b> 7-Bromo-9,9-dimethyl-9H-fluorene-2-boronic Acid CAS RN: 1213768-48-9	<b>B5793</b> 2-(3-Biphenyl)amino-9,9-dimethylfluorene CAS RN: 1372778-66-9	<b>B5842</b> 2-Bromospiro[9H-fluorene-9,9'-xanthene] CAS RN: 899422-06-1
<b>B5856</b> 2-(3-Biphenyl)amino-9,9-diphenylfluorene CAS RN: 1607480-14-7	<b>B5988</b> 2-Bromo-7-chloro-9,9-dimethyl-9H-fluorene CAS RN: 605630-37-3	<b>B6128</b> 4-Bromospiro[fluorene-9,9'-xanthene] CAS RN: 1609484-45-8	<b>B6132</b> 2-(3-Bromophenyl)-9,9-dimethyl-9H-fluorene CAS RN: 881912-14-7	<b>B6133</b> N-(4-Bromophenyl)-9,9-dimethyl-9H-fluoren-2-amine CAS RN: 1644059-09-5
<b>B6134</b> 9-Bromo-7,7-diphenyl-7H-benzo[c]fluorene CAS RN: 1384207-26-4	<b>B6138</b> 1-Bromo-9,9'-spirobi[9H-fluorene] CAS RN: 1450933-18-2	<b>B6180</b> 7H-Benzofluoren-7-one CAS RN: 6051-98-5	<b>B6223</b> 9,9-Bis(methoxymethyl)-9H-fluorene CAS RN: 182121-12-6	<b>B6464</b> N-[1,1'-Biphenyl]-4-yl)-9,9-diphenyl-9H-fluoren-2-amine CAS RN: 1268520-04-2
<b>C3515</b> 2-Chloro-7-iodo-9,9-diphenyl-9H-fluorene CAS RN: 851119-15-8	<b>C3543</b> 2-Chloro-4,6-bis(9,9-dimethyl-9H-fluoren-2-yl)-1,3,5-triazine CAS RN: 1459162-69-6	<b>D1685</b> 2,7-Dihydroxy-9H-fluoren-9-one CAS RN: 42523-29-5	<b>D3235</b> 9,9-Dimethylfluorene CAS RN: 4569-45-3	<b>D3557</b> 2,7-Dibromo-9-fluorenone CAS RN: 14348-75-5

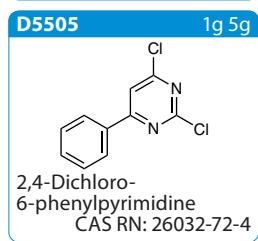
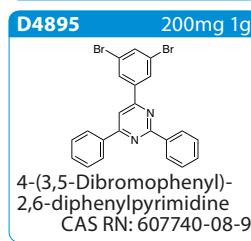
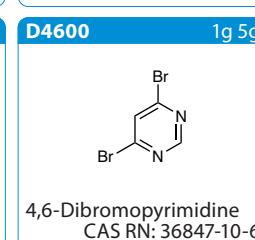
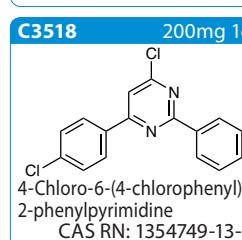
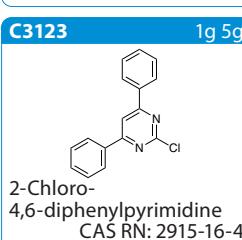
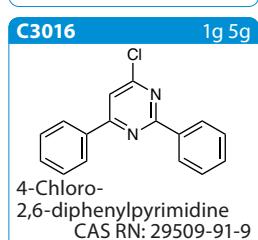
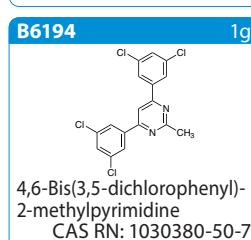
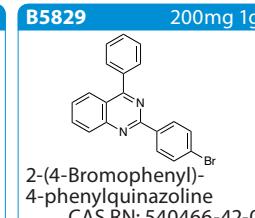
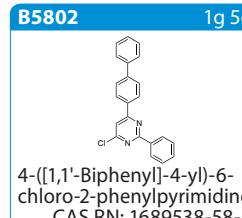
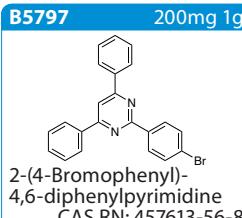
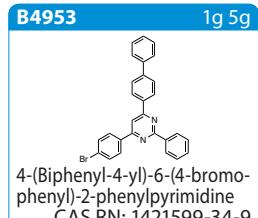
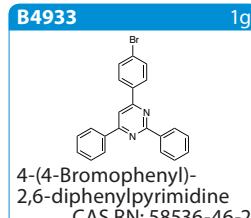
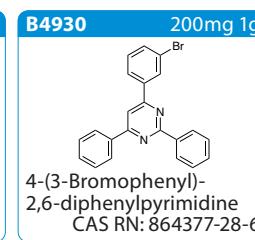
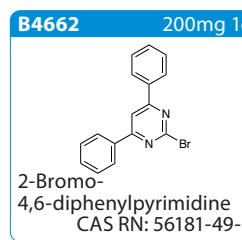
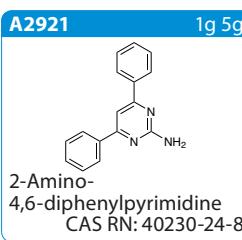
## Building Blocks for Organic Semiconductor

<b>D3586</b> 5g 25g  9,9-Diphenylfluorene CAS RN: 20302-14-1	<b>D3872</b> 1g  2,2'-Dibromo-9,9-spirobi[9H-fluorene] CAS RN: 67665-47-8	<b>D3974</b> 1g 5g  9,9-Dimethylfluorene-2-boronic Acid CAS RN: 333432-28-3	<b>D4084</b> 5g 25g  2,7-Di-tert-butylfluorene CAS RN: 58775-05-6	<b>D4327</b> 1g 5g  9,9-Dihexylfluorene CAS RN: 123863-97-8
<b>D4573</b> 1g  2,8-Dibromoindeno[1,2-b]fluorene-6,12-dione CAS RN: 853234-57-8	<b>D4642</b> 200mg  9,9-Di(p-tolyl)fluorene-2-boronic Acid CAS RN: 1193104-83-4	<b>D4701</b> 1g  (9,9-Dimethyl-9H-fluorene-2,7-diyl)diboronic Acid CAS RN: 866100-14-3	<b>D4981</b> 1g 5g  9-(9,9-Dimethylfluoren-2-yl)-9H-carbazole CAS RN: 866100-16-5	<b>D5009</b> 200mg 1g  (9,9-Diphenyl-9H-fluoren-2-yl)boronic Acid Pinacol Ester CAS RN: 462128-39-8
<b>D5018</b> 1g 5g  9,9-Dimethylfluorene-2-boronic Acid Pinacol Ester CAS RN: 569343-09-5	<b>D5032</b> 1g 5g  2,7-Diodo-9,9-dimethylfluorene CAS RN: 144981-86-2	<b>D5033</b> 200mg 1g  9,9-Diphenyl-9H-fluorene-4-boronic Acid Pinacol Ester CAS RN: 1259280-37-9	<b>D5053</b> 200mg  2,7-Dibromo-9,9-difluorofluorene CAS RN: 1229603-71-7	<b>D5054</b> 1g  9,9-Dihexylfluorene-2-boronic Acid CAS RN: 371193-08-7
<b>D5084</b> 200mg  9,9-Diphenylfluorene-2-boronic Acid CAS RN: 400607-31-0	<b>D5125</b> 1g 5g  7,7-Dimethyl-7H-benzo[c]fluorene CAS RN: 112486-09-6	<b>D5215</b> 5g  2,7-Dibromo-9,9-bis(2-ethylhexyl)fluorene CAS RN: 188200-93-3	<b>D5269</b> 1g  5,9-Dibromo-7,7-dimethyl-7H-benzo[c]fluorene CAS RN: 1056884-35-5	<b>D5301</b> 1g  3,6-Dibromo-9H-fluoren-9-one CAS RN: 216312-73-1
<b>D5371</b> 1g  9,9-Di-n-octylfluorene-2-boronic Acid Pinacol Ester CAS RN: 302554-81-0	<b>D5382</b> 1g  (9,9-Diphenyl-9H-fluoren-3-yl)boronic Acid Pinacol Ester CAS RN: 1644466-71-6	<b>D5408</b> 200mg 1g  9,9-Dimethyl-9H-fluorene-4-boronic Acid Pinacol Ester CAS RN: 1365692-79-0	<b>D5448</b> 5g 25g  2,7-Dibromo-9-phenyl-9H-fluoren-9-ol CAS RN: 132717-37-4	<b>D5671</b> 1g 5g  2,7-Dibromospiro[9H-fluorene-9,9'-xanthene] CAS RN: 198142-65-3
<b>D5800</b> 1g 5g  2-[3-(9,9-Dimethyl-9H-fluoren-2-yl)phenyl]-4,4,5,5-tetramethyl-1,3,2-dioxaborolane CAS RN: 1005771-03-8	<b>D5801</b> 1g 5g  9,9-Dimethyl-N-(2-naphthyl)-9H-fluoren-2-amine CAS RN: 1263001-82-6	<b>D5802</b> 1g  4,4'-Dibromo-9,9'-spirobi[9H-fluorene] CAS RN: 1257321-41-7	<b>D5805</b> 1g  5,9-Dibromo-7,7-diphenyl-7H-benzo[c]fluorene CAS RN: 854952-90-2	<b>F0017</b> 25g 500g  Fluorene CAS RN: 86-73-7
<b>F0021</b> 25g 100g 500g  9-Fluorenone CAS RN: 486-25-9	<b>F0228</b> 5g 25g  2-Fluorofluorene CAS RN: 343-43-1	<b>F1245</b> 5g 25g  9H-Fluoren-2-boronic Acid Pinacol Ester CAS RN: 922706-40-9	<b>H0329</b> 1g  2-Hydroxy-9-fluorenone CAS RN: 6949-73-1	<b>I0793</b> 5g 25g  2-Iodofluorene CAS RN: 2523-42-4
<b>I0875</b> 5g 25g  2-Iodo-9,9-dimethylfluorene CAS RN: 144981-85-1	<b>M3007</b> 1g 5g  9-Methyl-9H-fluoren-9-ol CAS RN: 6311-22-4	<b>M3301</b> 1g 5g  2-Methoxy-9,9-dimethyl-9H-fluorene CAS RN: 1514864-84-6	<b>N1106</b> 1g  2-[(Naphthalen-1-yl)amino]-9,9-diphenyl-9H-fluorene CAS RN: 1196694-11-7	<b>P2562</b> 200mg 1g  (9,9-Spirobi[fluorene]-3-yl)boronic Acid Pinacol Ester CAS RN: 1346007-05-3

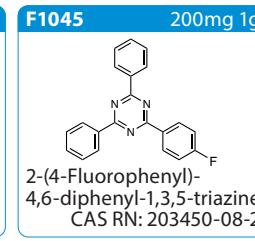
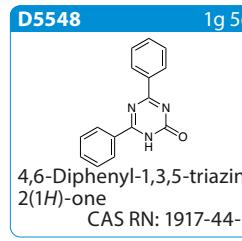
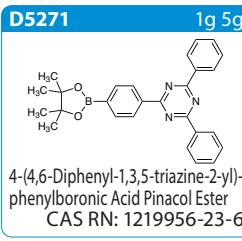
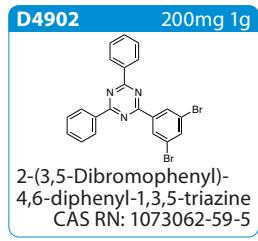
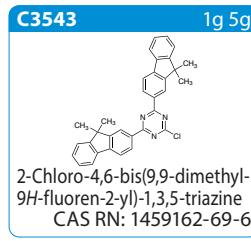
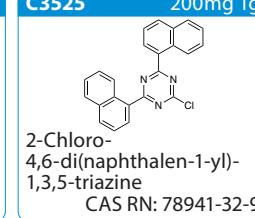
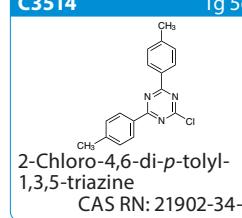
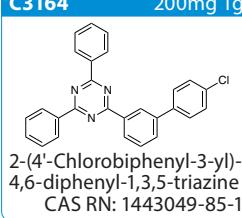
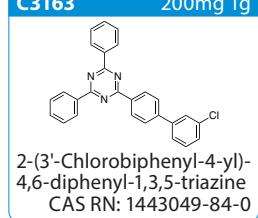
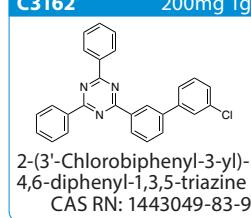
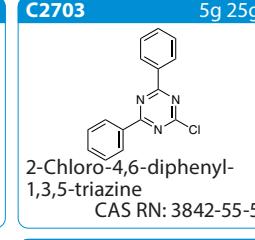
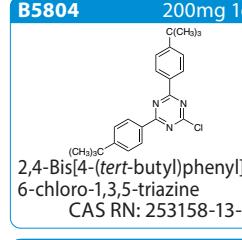
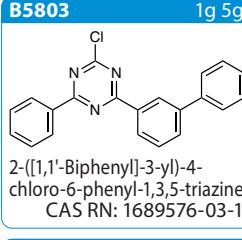
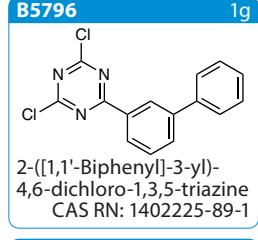
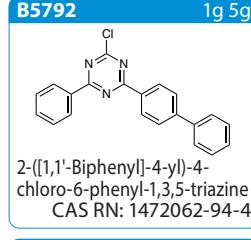
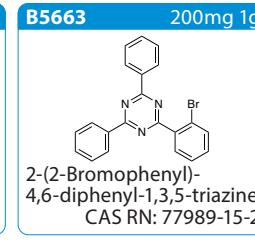
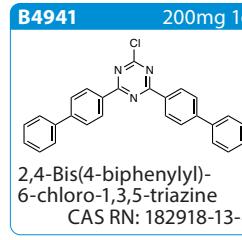
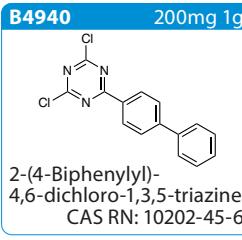
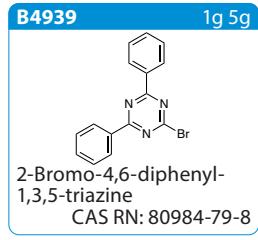
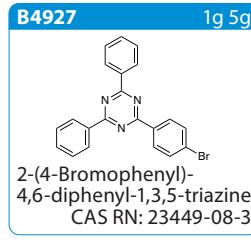
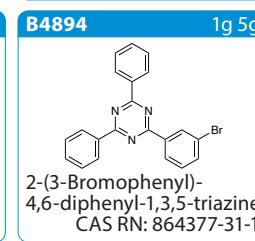
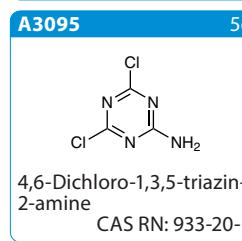
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<b>S0984</b> 10H-Spiro[acridine-9,9'-fluorene]	<b>S0994</b> (9,9'-Spirobi[fluoren]-4-yl)-boronic Acid Pinacol Ester	<b>T2597</b> 2,2',7,7'-Tetrabromo-9,9'-spirobi[9H-fluorene]	<b>T2759</b> 2,2',7,7'-Tetrabromo-9,9'-bifluorenylidene	<b>T3249</b> Truxenone
<b>T3807</b> N-(3,5-Diphenylphenyl)-9,9-dimethylfluoren-2-amine CAS RN: 1372778-68-1	<b>T3916</b> 2,2',7-Tribromo-9,9'-spirobi[fluorene]	<b>Phenylpyridines</b>		<b>B4500</b> 2-(4-Bromophenyl)pyridine
<b>B4616</b> 4-(3-Bromophenyl)pyridine CAS RN: 4373-72-2	<b>B4617</b> 3-(4-Bromophenyl)pyridine CAS RN: 129013-83-8	<b>B4663</b> 4-(4-Bromophenyl)pyridine CAS RN: 39795-60-3	<b>B4865</b> 3-(3-Bromophenyl)pyridine CAS RN: 4422-32-6	<b>B5018</b> 5-Bromo-2-phenylpyridine CAS RN: 27012-25-5
<b>B5044</b> 2-(2-Bromophenyl)pyridine CAS RN: 109306-86-7	<b>B5113</b> 2-(3-Bromophenyl)pyridine CAS RN: 4373-60-8	<b>B5150</b> 2-Bromo-6-phenylpyridine CAS RN: 39774-26-0	<b>B5151</b> 3-Bromo-5-phenylpyridine CAS RN: 142137-17-5	<b>B5152</b> 3-(2-Bromophenyl)pyridine CAS RN: 847264-30-6
<b>B5153</b> 4-(2-Bromophenyl)pyridine CAS RN: 101681-34-9	<b>B5806</b> 2-(4-Bromophenyl)pyrimidine CAS RN: 210354-17-9	<b>D5227</b> 2,4-Diphenylpyridine CAS RN: 26274-35-1	<b>M2952</b> 4-Methyl-2-phenylpyridine CAS RN: 3475-21-6	<b>M2969</b> 5-Methyl-2-phenylpyridine CAS RN: 27012-22-2
<b>P1671</b> 4-(2-Pyridyl)benzaldehyde CAS RN: 127406-56-8	<b>P1983</b> 4-(4-Pyridyl)benzaldehyde CAS RN: 99163-12-9	<b>P2384</b> 6-Phenyl-3-pyridylboronic Acid Pinacol Ester CAS RN: 879291-27-7	<b>P2392</b> 4-(3-Pyridyl)phenylboronic Acid Hydrochloride CAS RN: 2377369-59-8	<b>P2452</b> 2-Phenylnicotinic Acid CAS RN: 33421-39-5
<b>P2453</b> 2-Phenylisonicotinic Acid CAS RN: 55240-51-2	<b>P2454</b> 6-Phenylnicotinic Acid CAS RN: 29051-44-3	<b>P2782</b> 4-(Pyridin-4-yl)aniline CAS RN: 13296-04-3	<b>T3313</b> 3-(3-Pyridyl)phenylboronic Acid Pinacol Ester CAS RN: 939430-30-5	<b>T3399</b> 3-(4-Pyridyl)phenylboronic Acid Pinacol Ester CAS RN: 1009033-83-3

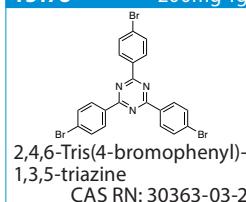
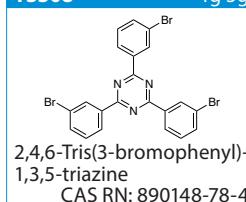
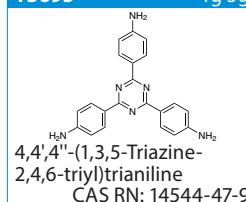
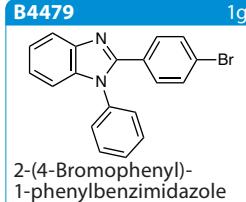
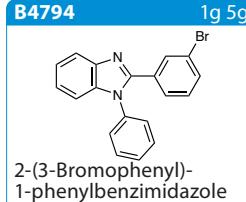
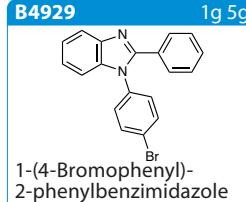
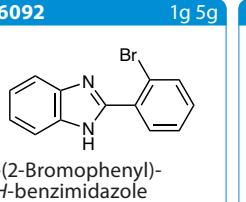
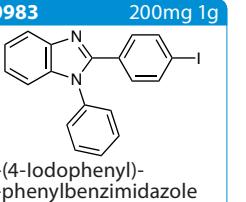
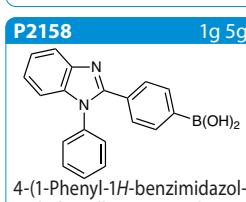
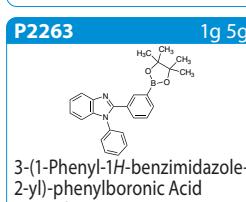
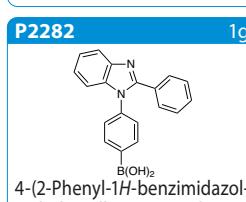
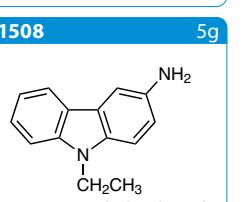
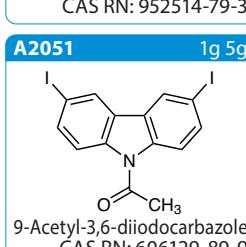
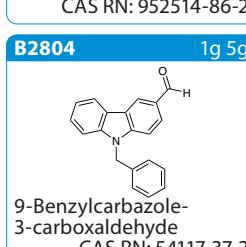
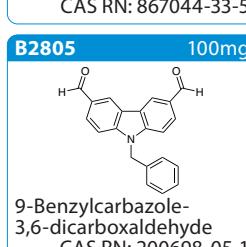
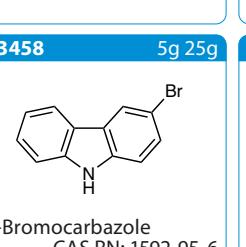
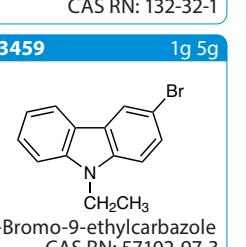
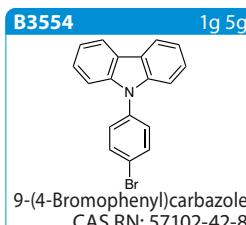
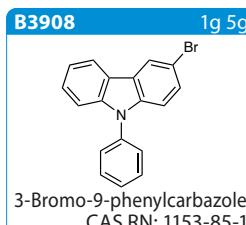
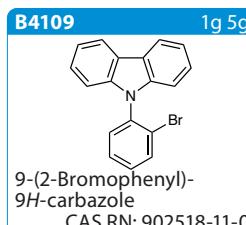
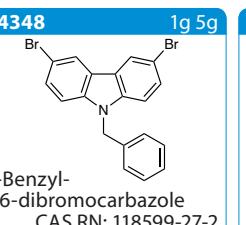
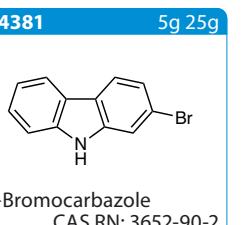
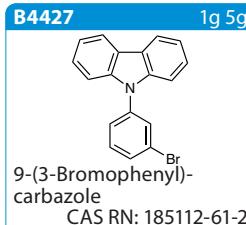
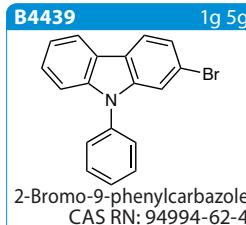
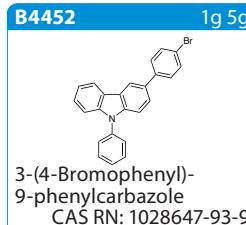
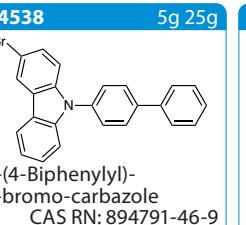
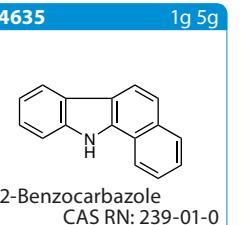
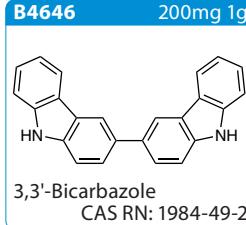
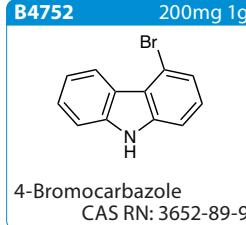
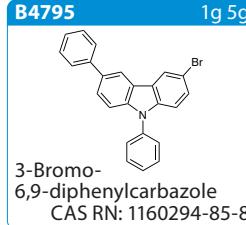
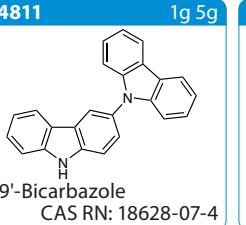
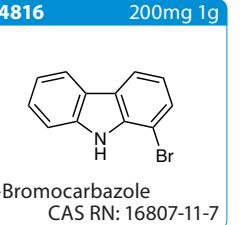
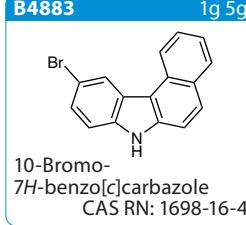
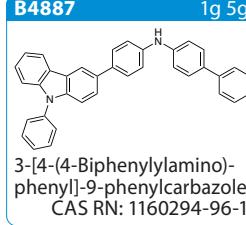
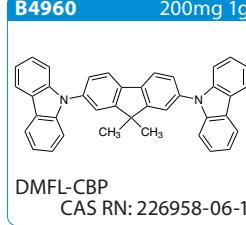
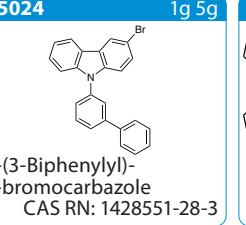
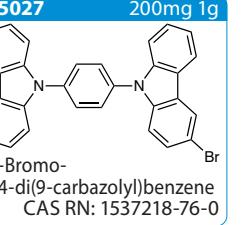


## Pyrimidines

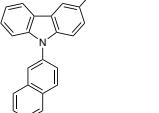
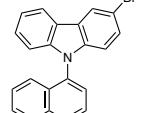
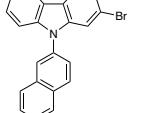
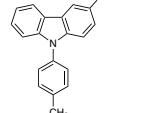
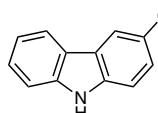
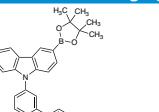
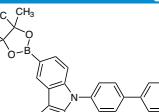
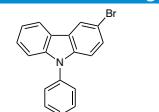
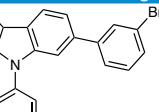
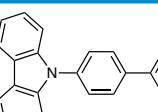
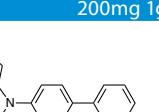
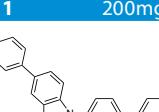
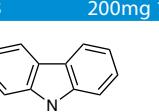
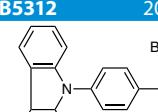
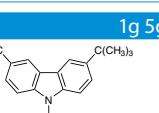
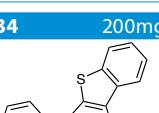
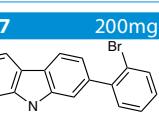
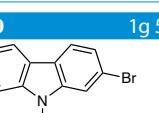
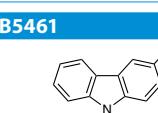
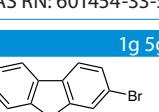
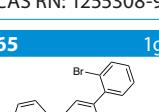
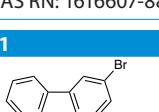
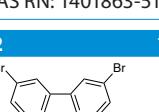
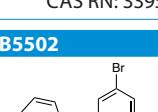
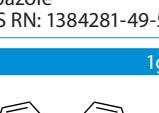
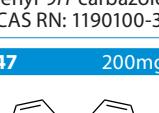
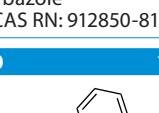
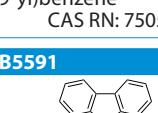
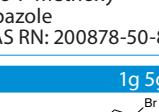
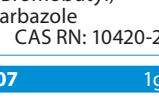
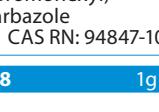
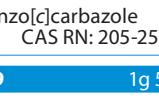
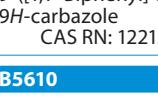
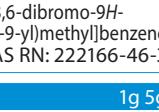
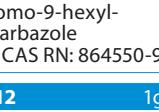
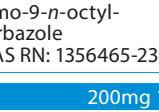
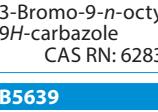


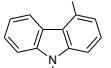
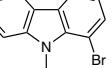
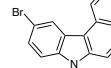
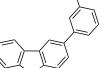
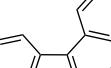
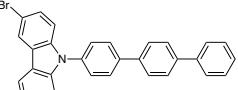
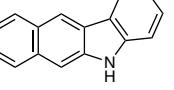
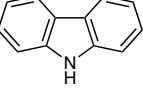
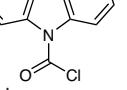
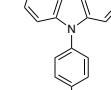
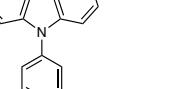
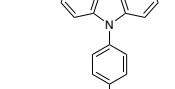
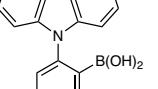
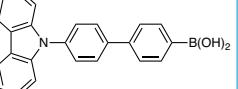
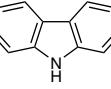
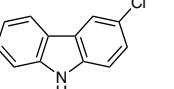
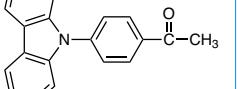
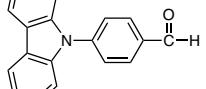
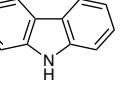
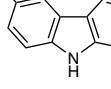
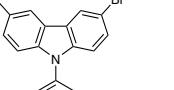
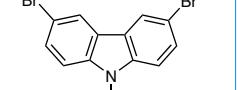
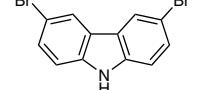
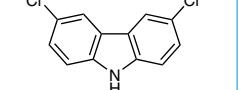
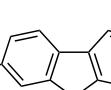
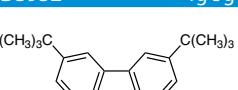
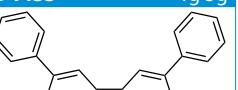
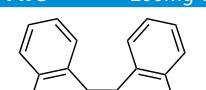
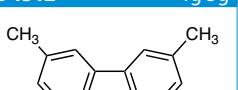
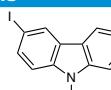
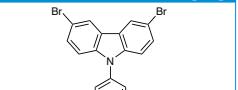
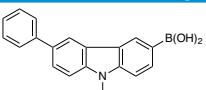
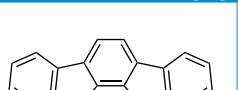
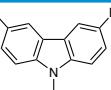
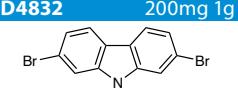
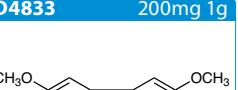
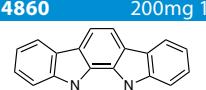
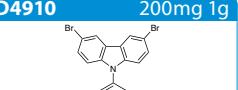
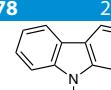
## Triazines



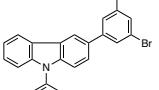
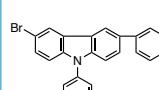
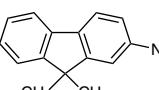
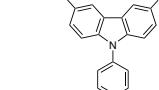
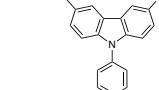
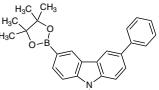
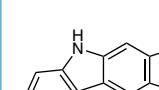
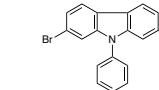
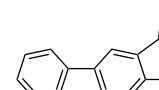
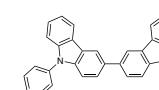
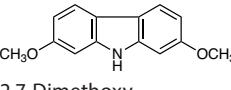
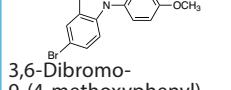
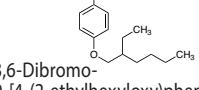
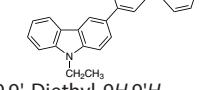
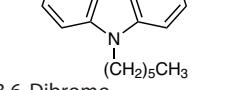
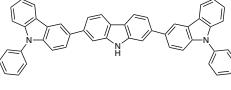
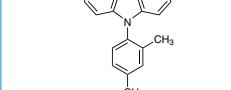
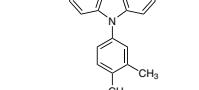
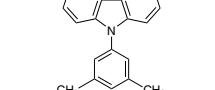
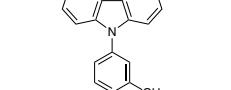
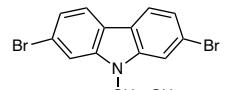
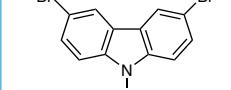
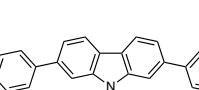
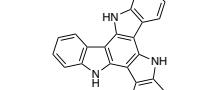
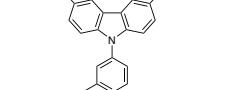
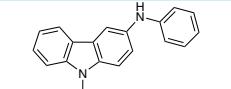
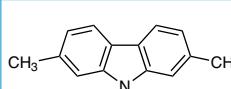
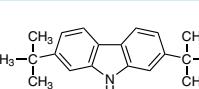
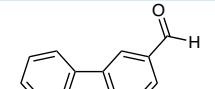
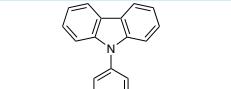
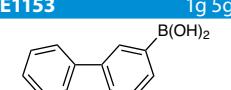
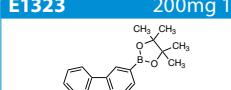
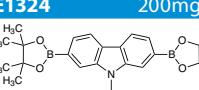
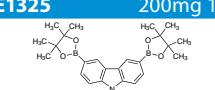
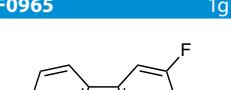
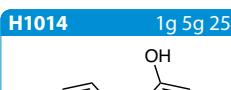
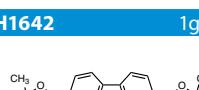
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<b>B4479</b> 1g  2-(4-Bromophenyl)-1-phenylbenzimidazole CAS RN: 2620-76-0	<b>B4794</b> 1g 5g  2-(3-Bromophenyl)-1-phenylbenzimidazole CAS RN: 760212-40-6	<b>B4929</b> 1g 5g  1-(4-Bromophenyl)-2-phenylbenzimidazole CAS RN: 760212-58-6	<b>B6092</b> 1g 5g  2-(2-Bromophenyl)-1H-benzimidazole CAS RN: 13275-42-8	<b>I0983</b> 200mg 1g  2-(4-Iodophenyl)-1-phenylbenzimidazole CAS RN: 760212-42-8
<b>P2158</b> 1g 5g  4-(1-Phenyl-1H-benzimidazol-2-yl)phenylboronic Acid CAS RN: 952514-79-3	<b>P2263</b> 1g 5g  3-(1-Phenyl-1H-benzimidazol-2-yl)-2-phenylboronic Acid Pinacol Ester CAS RN: 952514-86-2	<b>P2282</b> 1g  4-(2-Phenyl-1H-benzimidazol-1-yl)phenylboronic Acid CAS RN: 867044-33-5		<b>A1508</b> 5g  3-Amino-9-ethylcarbazole CAS RN: 132-32-1
<b>A2051</b> 1g 5g  9-Acetyl-3,6-diiodocarbazole CAS RN: 606129-89-9	<b>B2804</b> 1g 5g  9-Benzylcarbazole-3-carboxaldehyde CAS RN: 54117-37-2	<b>B2805</b> 100mg  9-Benzylcarbazole-3,6-dicarboxaldehyde CAS RN: 200698-05-1	<b>B3458</b> 5g 25g  3-Bromocarbazole CAS RN: 1592-95-6	<b>B3459</b> 1g 5g  3-Bromo-9-ethylcarbazole CAS RN: 57102-97-3
<b>B3554</b> 1g 5g  9-(4-Bromophenyl)carbazole CAS RN: 57102-42-8	<b>B3908</b> 1g 5g  3-Bromo-9-phenylcarbazole CAS RN: 1153-85-1	<b>B4109</b> 1g 5g  9-(2-Bromophenyl)-9H-carbazole CAS RN: 902518-11-0	<b>B4348</b> 1g 5g  9-Benzyl-3,6-dibromocarbazole CAS RN: 118599-27-2	<b>B4381</b> 5g 25g  2-Bromocarbazole CAS RN: 3652-90-2
<b>B4427</b> 1g 5g  9-(3-Bromophenyl)carbazole CAS RN: 185112-61-2	<b>B4439</b> 1g 5g  2-Bromo-9-phenylcarbazole CAS RN: 94994-62-4	<b>B4452</b> 1g 5g  3-(4-Bromophenyl)-9-phenylcarbazole CAS RN: 1028647-93-9	<b>B4538</b> 5g 25g  9-(4-Biphenylyl)-3-bromo-carbazole CAS RN: 894791-46-9	<b>B4635</b> 1g 5g  1,2-Benzocarbazole CAS RN: 239-01-0
<b>B4646</b> 200mg 1g  3,3'-Bicarbazole CAS RN: 1984-49-2	<b>B4752</b> 200mg 1g  4-Bromocarbazole CAS RN: 3652-89-9	<b>B4795</b> 1g 5g  3-Bromo-6,9-diphenylcarbazole CAS RN: 1160294-85-8	<b>B4811</b> 1g 5g  3,9'-Bicarbazole CAS RN: 18628-07-4	<b>B4816</b> 200mg 1g  1-Bromocarbazole CAS RN: 16807-11-7
<b>B4883</b> 1g 5g  10-Bromo-7H-benzo[c]carbazole CAS RN: 1698-16-4	<b>B4887</b> 1g 5g  3-[4-(4-Biphenylylamoxy)-phenyl]-9-phenylcarbazole CAS RN: 1160294-96-1	<b>B4960</b> 200mg 1g  DMFL-CBP CAS RN: 226958-06-1	<b>B5024</b> 1g 5g  9-(3-Biphenylyl)-3-bromocarbazole CAS RN: 1428551-28-3	<b>B5027</b> 200mg 1g  3'-Bromo-1,4-di(9-carbazolyl)benzene CAS RN: 1537218-76-0

## Building Blocks for Organic Semiconductor

<b>B5028</b> 1g 5g  3-Bromo-9-(2-naphthyl)-9H-carbazole CAS RN: 934545-80-9	<b>B5050</b> 200mg 1g  3-Bromo-9-(1-naphthyl)-9H-carbazole CAS RN: 934545-83-2	<b>B5051</b> 200mg 1g  2-Bromo-9-(2-naphthyl)-9H-carbazole CAS RN: 1427316-53-7	<b>B5052</b> 1g 5g  3-Bromo-9-(p-tolyl)-9H-carbazole CAS RN: 731016-44-7	<b>B5053</b> 200mg 1g  3-(tert-Butyl)-9H-carbazole CAS RN: 22401-74-7
<b>B5054</b> 200mg 1g  9-(3-Biphenyl)carbazole-3-boronic Acid Pinacol Ester CAS RN: 1533406-38-0	<b>B5091</b> 1g 5g  9-(4-Biphenyl)carbazole-3-boronic Acid Pinacol Ester CAS RN: 1391729-66-0	<b>B5107</b> 1g 5g  3-Bromo-9-(4-bromophenyl)-9H-carbazole CAS RN: 1226860-66-7	<b>B5108</b> 200mg 1g  2-(3-Bromophenyl)-9-phenyl-9H-carbazole CAS RN: 1365118-41-7	<b>B5109</b> 1g 5g  9-(4'-Bromo-4-biphenyl)-carbazole CAS RN: 212385-73-4
<b>B5110</b> 200mg 1g  9-(4-Biphenyl)-2-bromocarbazole CAS RN: 1393835-87-4	<b>B5111</b> 200mg 1g  9-(4-Biphenyl)-3-(4-bromophenyl)carbazole CAS RN: 1028648-25-0	<b>B5128</b> 1g 5g  9-(4-Biphenyl)carbazole CAS RN: 6299-16-7	<b>B5183</b> 200mg 1g  9-(3-Bromopropyl)-carbazole CAS RN: 84359-61-5	<b>B5312</b> 200mg 1g  9-(2'-Bromo-4-biphenyl)-carbazole CAS RN: 1215228-57-1
<b>B5313</b> 1g 5g  9-(4-Bromophenyl)-3,6-di-tert-butylcarbazole CAS RN: 601454-33-5	<b>B5434</b> 200mg 1g  5H-Benz[4,5]-thieno[3,2-c]carbazole CAS RN: 1255308-97-4	<b>B5437</b> 200mg 1g  2-(2-Bromophenyl)-9-phenyl-9H-carbazole CAS RN: 1616607-88-5	<b>B5460</b> 1g 5g  9-Benzyl-2-bromo-9H-carbazole CAS RN: 1401863-51-1	<b>B5461</b> 1g 5g  9-Benzyl-3-bromo-9H-carbazole CAS RN: 339576-55-5
<b>B5462</b> 1g 5g  9-Benzyl-2,7-dibromo-9H-carbazole CAS RN: 1384281-49-5	<b>B5465</b> 1g 5g  3-(2-Bromophenyl)-9-phenyl-9H-carbazole CAS RN: 1190100-35-6	<b>B5471</b> 1g  9-Benzoyl-3-bromo-9H-carbazole CAS RN: 177775-87-0	<b>B5472</b> 1g  9-Benzoyl-3,6-dibromo-9H-carbazole CAS RN: 912850-81-8	<b>B5502</b> 1g 5g  1-Bromo-3,5-bis(carbazol-9-yl)benzene CAS RN: 750573-24-1
<b>B5517</b> 1g  2-Bromo-7-methoxy-9H-carbazole CAS RN: 200878-50-8	<b>B5547</b> 200mg 1g  9-(4-Bromobutyl)-9H-carbazole CAS RN: 10420-20-9	<b>B5548</b> 200mg 1g  9-(6-Bromohexyl)-9H-carbazole CAS RN: 94847-10-6	<b>B5590</b> 1g  7H-Benz[c]carbazole CAS RN: 205-25-4	<b>B5591</b> 1g 5g  9-([1,1'-Biphenyl]-3-yl)-9H-carbazole CAS RN: 1221237-87-1
<b>B5605</b> 1g 5g  1,2-Bis[(3,6-dibromo-9H-carbazol-9-yl)methyl]benzene CAS RN: 222166-46-3	<b>B5607</b> 1g 5g  2-Bromo-9-hexyl-9H-carbazole CAS RN: 864550-95-8	<b>B5608</b> 1g 5g  3-Bromo-9-hexyl-9H-carbazole CAS RN: 156972-74-6	<b>B5609</b> 1g 5g  2-Bromo-9-n-octyl-9H-carbazole CAS RN: 1356465-23-0	<b>B5610</b> 1g 5g  3-Bromo-9-n-octyl-9H-carbazole CAS RN: 628337-00-8
<b>B5611</b> 1g 5g  2-Bromo-9-(2-ethylhexyl)-9H-carbazole CAS RN: 856422-39-4	<b>B5612</b> 1g 5g  3-Bromo-9-(2-ethylhexyl)-9H-carbazole CAS RN: 628336-85-6	<b>B5620</b> 1g 5g  9-[4-(tert-Butyl)phenyl]-9H-carbazole CAS RN: 57103-13-6	<b>B5621</b> 200mg 1g  3-Bromo-9-(3,5-dimethylphenyl)-9H-carbazole CAS RN: 1141017-77-7	<b>B5639</b> 500mg  3-Bromo-9-vinyl-9H-carbazole CAS RN: 46499-01-8

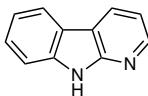
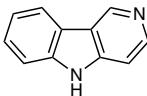
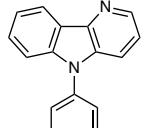
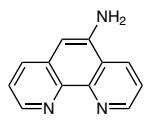
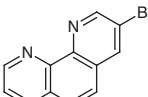
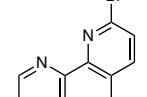
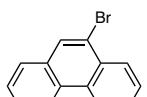
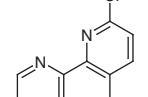
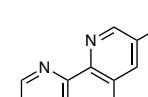
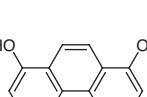
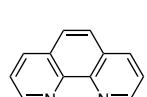
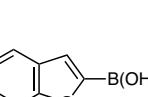
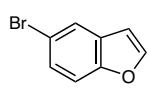
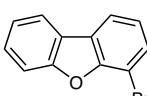
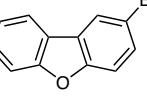
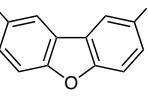
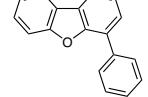
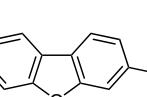
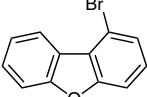
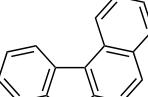
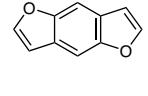
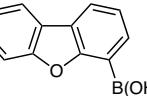
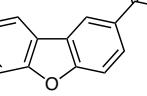
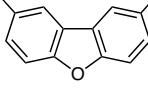
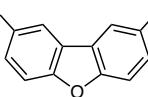
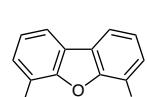
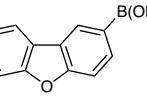
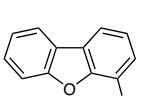
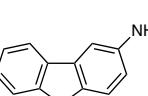
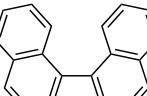
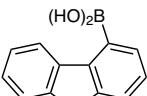
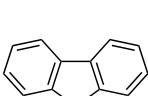
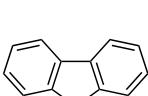
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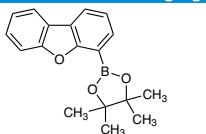
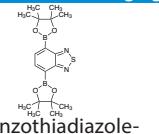
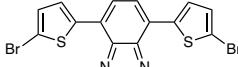
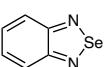
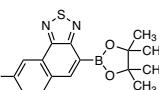
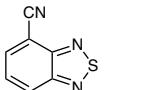
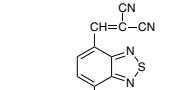
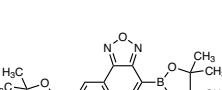
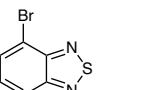
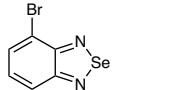
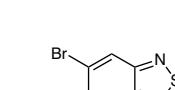
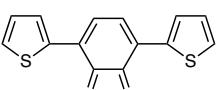
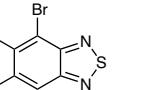
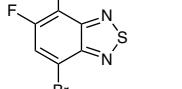
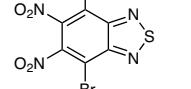
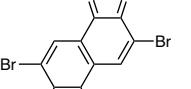
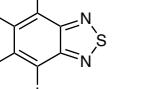
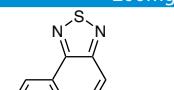
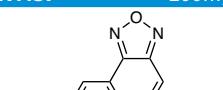
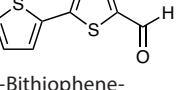
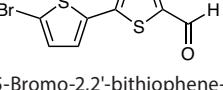
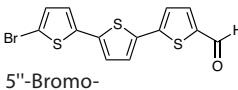
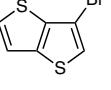
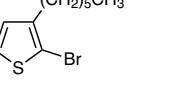
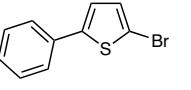
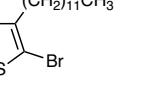
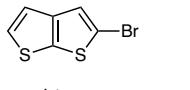
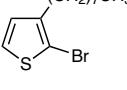
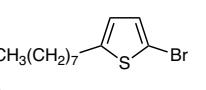
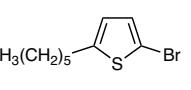
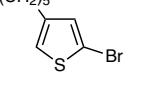
## Building Blocks for Organic Semiconductor

<b>D4979</b> 200mg 1g  3-(3,5-Dibromophenyl)-9-phenyl-9H-carbazole CAS RN: 1345021-52-4	<b>D4980</b> 200mg 1g  6,6'-Dibromo-9,9'-diphenyl-3,3'-bicolorbazole CAS RN: 354135-75-4	<b>D4981</b> 1g 5g  9-(9,9-Dimethylfluoren-2-yl)-9H-carbazole CAS RN: 866100-16-5	<b>D5000</b> 200mg 1g  3,6-Dibromo-9-(4-tert-butylphenyl)-9H-carbazole CAS RN: 741293-42-5	<b>D5001</b> 200mg 1g  3,6-Dibromo-9-(p-tolyl)-9H-carbazole CAS RN: 357437-74-2
<b>D5056</b> 200mg 1g  6,9-Diphenylcarbazole-3-boronic Acid Pinacol Ester CAS RN: 1359833-28-5	<b>D5124</b> 200mg 1g  5,11-Dihydroindolo[3,2-b]-carbazole CAS RN: 6336-32-9	<b>D5270</b> 200mg 1g  2,7-Dibromo-9-(4-bromophenyl)-9H-carbazole CAS RN: 1313900-20-7	<b>D5286</b> 1g  5,7-Dihydroindolo[2,3-b]-carbazole CAS RN: 111296-90-3	<b>D5303</b> 200mg 1g  9,9'-Di([1,1'-biphenyl]-4-yl)-9H,9H-3,3'-bicolorbazole CAS RN: 57102-51-9
<b>D5329</b> 1g 5g  2,7-Dimethoxy-9H-carbazole CAS RN: 61822-18-2	<b>D5340</b> 1g 5g  3,6-Dibromo-9-(4-methoxyphenyl)-9H-carbazole CAS RN: 746651-52-5	<b>D5342</b> 200mg 1g  3,6-Dibromo-9-[4-(2-ethylhexyloxy)phenyl]-9H-carbazole CAS RN: 946491-48-1	<b>D5387</b> 1g 5g  9,9'-Diethyl-9H,9H-3,3'-bicolorbazole CAS RN: 20466-00-6	<b>D5410</b> 1g 5g  3,6-Dibromo-9-hexyl-9H-carbazole CAS RN: 150623-72-6
<b>D5413</b> 1g  9,9''-Diphenyl-9H,9'H,9''H-3,2':7',3'''-tercarbazole CAS RN: 1402543-31-0	<b>D5419</b> 1g  3,6-Dibromo-9-(2,4-dimethylphenyl)carbazole CAS RN: 1873362-96-9	<b>D5420</b> 1g  3,6-Dibromo-9-(3,4-dimethylphenyl)-9H-carbazole CAS RN: 1786404-06-5	<b>D5421</b> 200mg 1g  3,6-Dibromo-9-(3,5-dimethylphenyl)-9H-carbazole CAS RN: 1873364-08-9	<b>D5424</b> 1g  3,6-Dibromo-9-(m-tolyl)-9H-carbazole CAS RN: 890653-54-0
<b>D5425</b> 1g  2,7-Dibromo-9-vinyl-9H-carbazole CAS RN: 1438252-33-5	<b>D5426</b> 1g  3,6-Dibromo-9-vinyl-9H-carbazole CAS RN: 1214-16-0	<b>D5427</b> 1g 5g  2,7-Diphenyl-9H-carbazole CAS RN: 42448-04-4	<b>D5428</b> 200mg 1g  10,15-Dihydro-5H-diindolo[3,2-a;3',2'-c]carbazole CAS RN: 109005-10-9	<b>D5546</b> 1g 5g  3,6-Dibromo-9-(2-naphthalenyl)-9H-carbazole CAS RN: 1221237-83-7
<b>D5567</b> 1g 5g  N,9-Diphenyl-9H-carbazol-3-amine CAS RN: 894791-43-6	<b>D5864</b> 200mg 1g  2,7-Dimethyl-9H-carbazole CAS RN: 18992-65-9	<b>D5865</b> 200mg 1g  2,7-Di-tert-butyl-9H-carbazole CAS RN: 69386-35-2	<b>E0359</b> 5g 25g  3-Formyl-N-ethylcarbazole CAS RN: 7570-45-8	<b>E1055</b> 1g 5g  9-(4-Ethynylphenyl)-carbazole CAS RN: 262861-81-4
<b>E1153</b> 1g 5g  9-Ethylcarbazole-3-boronic Acid CAS RN: 669072-93-9	<b>E1323</b> 200mg 1g  9-(2-Ethylhexyl)-9H-carbazole-3-boronic Acid Pinacol Ester CAS RN: 856422-41-8	<b>E1324</b> 200mg 1g  9-(2-Ethylhexyl)-9H-carbazole-2,7-diboronic Acid Bis(pinacol) Ester CAS RN: 476360-83-5	<b>E1325</b> 200mg 1g  9-(2-Ethylhexyl)-9H-carbazole-3,6-diboronic Acid Bis(pinacol) Ester CAS RN: 448955-87-1	<b>F0965</b> 1g  3-Fluorocarbazole CAS RN: 391-45-7
<b>F1182</b> 200mg 1g  2-Fluoro-9H-carbazole CAS RN: 391-53-7	<b>H1014</b> 1g 5g 25g  4-Hydroxycarbazole CAS RN: 52602-39-8	<b>H1642</b> 1g 5g  9-Hexyl-2,7-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-9H-carbazole CAS RN: 871696-12-7	<b>H1647</b> 200mg 1g  9-Hexyl-9H-carbazole-2-boronic Acid Pinacol Ester CAS RN: 1339953-35-3	<b>H1649</b> 1g 5g  9-Hexyl-9H-carbazole-3,6-diboronic Acid Bis(pinacol) Ester CAS RN: 628336-95-8

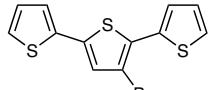
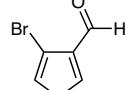
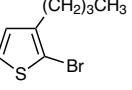
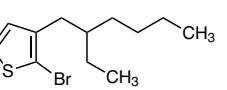
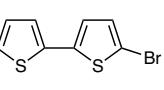
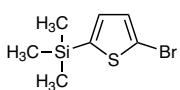
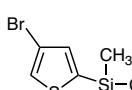
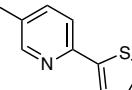
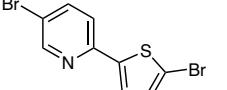
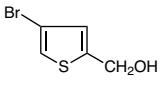
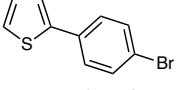
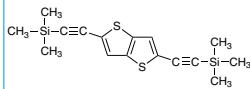
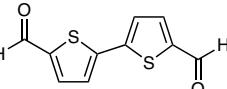
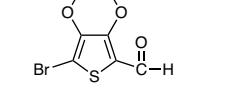
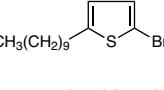
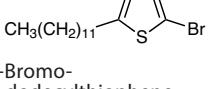
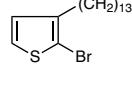
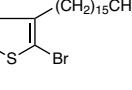
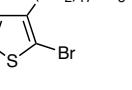
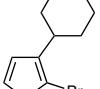
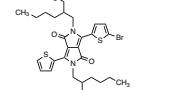
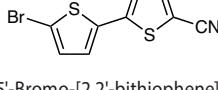
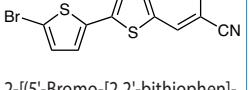
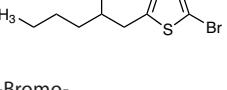
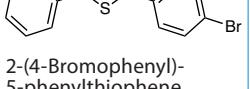
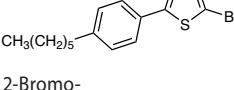
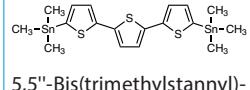
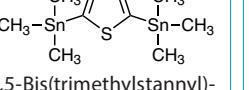
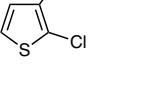
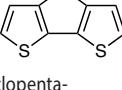
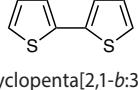
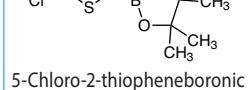
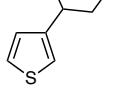
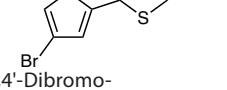
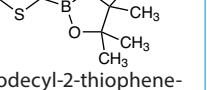
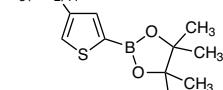
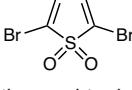
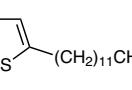
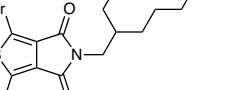
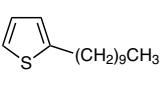
<b>I0913</b>  3-Iodo-9-phenylcarbazole CAS RN: 502161-03-7	<b>I0961</b>  9-(4-Iodophenyl)carbazole CAS RN: 57103-15-8	<b>I1061</b>  Indolo[3,2,1-jk]carbazole CAS RN: 205-95-8	<b>M2561</b>  3-Methyl-9H-carbazole CAS RN: 4630-20-0	<b>M2817</b>  2-Methoxycarbazole CAS RN: 6933-49-9
<b>M3317</b>  1-Methyl-9H-carbazole CAS RN: 6510-65-2	<b>N1012</b>  9-(1-Naphthyl)carbazole CAS RN: 22034-43-1	<b>N1098</b>  [9-(2-Naphthyl)-9H-carbazol-3-yl]boronic Acid CAS RN: 1133057-98-3	<b>P2001</b>  9-Phenylcarbazole-3-boronic Acid CAS RN: 854952-58-2	<b>P2169</b>  9-Phenylcarbazole-2-boronic Acid CAS RN: 1001911-63-2
<b>P2351</b>  3-Formyl-9-phenyl-9H-carbazole CAS RN: 87220-68-6	<b>P2364</b>  9-Phenylcarbazole-2-boronic Acid Pinacol Ester CAS RN: 1246669-45-3	<b>P2375</b>  2-Phenyl-9H-carbazole CAS RN: 88590-00-5	<b>P2376</b>  9-Phenylcarbazole-3-boronic Acid Pinacol Ester CAS RN: 1126522-69-7	<b>P2401</b>  3-Phenyl-9H-carbazole CAS RN: 103012-26-6
<b>P2498</b>  5-Phenyl-5,12-dihydroindolo[3,2-a]carbazole CAS RN: 1247053-55-9	<b>P2561</b>  4-(9-Phenyl-9H-carbazol-3-yl)-phenylboronic Acid Pinacol Ester CAS RN: 1219956-30-5	<b>P2571</b>  9-Phenyl-2,7-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-9H-carbazole CAS RN: 1035631-57-2	<b>P2601</b>  4-Phenyl-9H-carbazole CAS RN: 1201561-34-3	<b>P2640</b>  9-Phenyl-9H,9'-H-2,3'-bicarbazole CAS RN: 1382955-10-3
<b>P2772</b>  9-Phenyl-3-[2-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)phenyl]-9H-carbazole CAS RN: 1628817-49-1	<b>T2932</b>  1,3,6,8-Tetrabromocarbazole CAS RN: 55119-09-0	<b>T3051</b>  1,3,6,8-Tetra-tert-butylcarbazole CAS RN: 34601-54-2	<b>T3344</b>  9,3':6',9''-Tercarbazole CAS RN: 606129-90-2	<b>T3386</b>  3-(9H-Carbazol-9-yl)phenylboronic Acid Pinacol Ester CAS RN: 870119-58-7
<b>T3441</b>  (9H-Carbazol-2-yl)boronic Acid Pinacol Ester CAS RN: 1242412-60-7	<b>T3452</b>  4-(9H-Carbazol-9-yl)phenylboronic Acid Pinacol Ester CAS RN: 785051-54-9	<b>T3612</b>  9-(p-Tolyl)-9H-carbazole-3-boronic Acid Pinacol Ester CAS RN: 1345614-94-9	<b>T3642</b>  3,6-Bis[N,N-bis(4-methoxyphenyl)amino]-9H-carbazole CAS RN: 1630723-98-6	<b>T3747</b>  (9H-Carbazol-4-yl)boronic Acid Pinacol Ester CAS RN: 1255309-13-7
<b>T3882</b>  1,3,6,8-Tetramethyl-9H-carbazole CAS RN: 6558-85-6	<b>V0021</b>  9-Vinylcarbazole CAS RN: 1484-13-5	<b>Carbolines</b>		<b>A2486</b>  3-Amino-β-carboline CAS RN: 73834-77-2
<b>B5640</b>  8-Bromo-5-phenyl-5H-pyrido[3,2-b]indole CAS RN: 1449401-87-9	<b>M2818</b>  9-Methyl-β-carboline CAS RN: 2521-07-5	<b>P1121</b>  β-Carboline CAS RN: 244-63-3	<b>P2274</b>  δ-Carboline CAS RN: 245-08-9	<b>P2307</b>  8-[2-(2-Pyridyl)phenyl]-5H-pyrido[3,2-b]indole CAS RN: 1251503-35-1

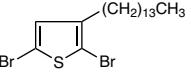
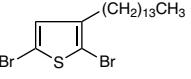
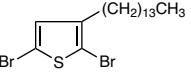
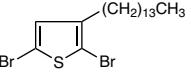
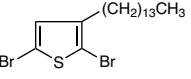
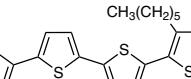
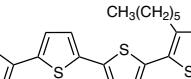
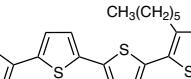
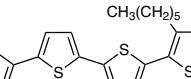
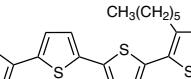
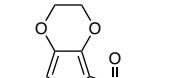
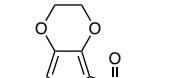
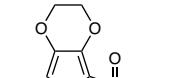
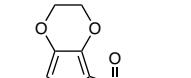
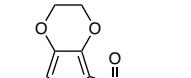
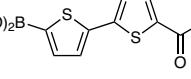
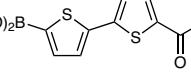
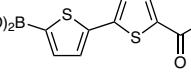
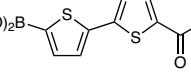
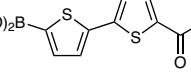
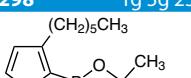
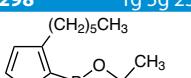
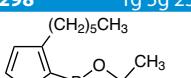
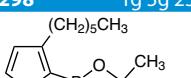
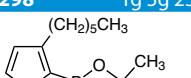
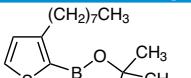
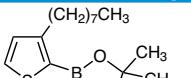
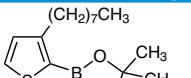
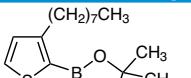
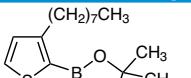
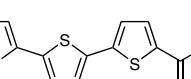
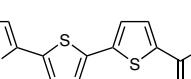
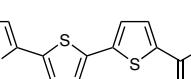
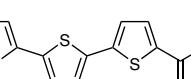
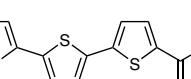
## Building Blocks for Organic Semiconductor

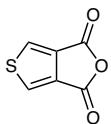
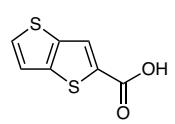
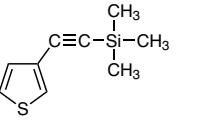
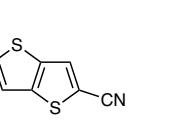
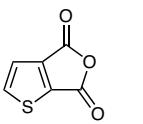
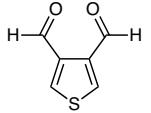
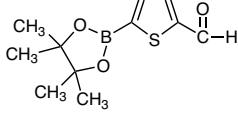
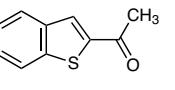
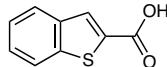
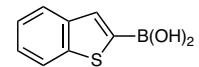
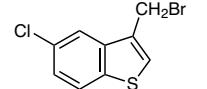
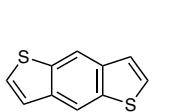
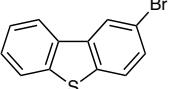
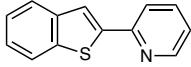
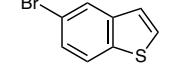
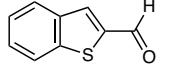
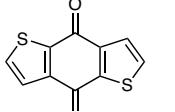
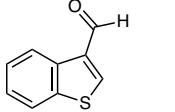
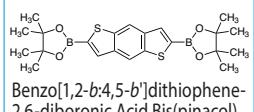
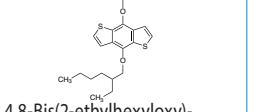
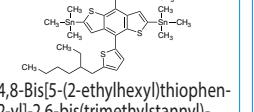
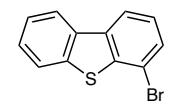
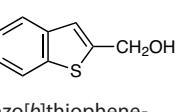
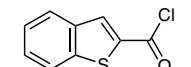
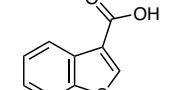
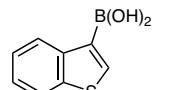
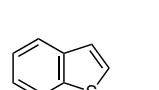
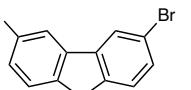
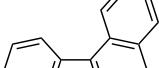
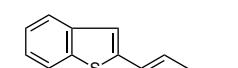
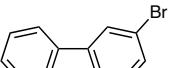
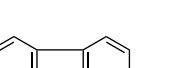
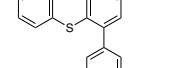
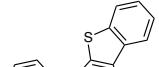
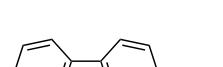
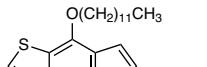
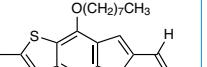
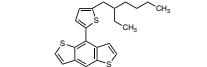
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<b>B2632</b>	200mg		<b>B4456</b>	1g 5g		<b>B5567</b>	200mg 1g		<b>C0786</b>	100mg 1g	
3-Bromo-1,10-phenanthroline CAS RN: 66127-01-3			2-Bromo-1,10-phenanthroline CAS RN: 22426-14-8			5-Bromo-1,10-phenanthroline CAS RN: 40000-20-2			5-Chloro-1,10-phenanthroline CAS RN: 4199-89-7		
<b>D3209</b>	200mg 1g		<b>D3869</b>	1g		<b>D4186</b>	200mg 1g		<b>B2978</b>	1g	
3,8-Dibromo-1,10-phenanthroline CAS RN: 100125-12-0			4,7-Dihydroxy-1,10-phenanthroline CAS RN: 3922-40-5			2,9-Dichloro-1,10-phenanthroline CAS RN: 29176-55-4			Benzofuran-2-boronic Acid CAS RN: 98437-24-2		
<b>B3889</b>	1g 5g		<b>B4345</b>	1g 5g		<b>B4459</b>	1g 5g		<b>B4522</b>	1g 5g	
5-Bromobenzofuran CAS RN: 23145-07-5			4-Bromodibenzofuran CAS RN: 89827-45-2			2-Bromodibenzofuran CAS RN: 86-76-0			Benzofuran-3-boronic Acid CAS RN: 317830-83-4		
<b>B4884</b>	1g 5g		<b>B5451</b>	200mg 1g		<b>B5766</b>	200mg 1g		<b>B5823</b>	250mg 1g	
4-(4-Bromophenyl)-dibenzofuran CAS RN: 955959-84-9			3-Bromodibenzofuran CAS RN: 26608-06-0			1-Bromodibenzofuran CAS RN: 50548-45-3			Benzofuran-5-boronic Acid Pinacol Ester CAS RN: 519054-55-8		
<b>B6233</b>	1g		<b>D4567</b>	1g 5g		<b>D4759</b>	1g 5g		<b>D4771</b>	1g 5g	
Benzo[1,2-b;4,5-b']difuran CAS RN: 267-58-3			Dibenzofuran-4-boronic Acid CAS RN: 100124-06-9			Dibenzofuran-2-carboxaldehyde CAS RN: 5397-82-0			Dibenzofuran-4-carboxaldehyde CAS RN: 96706-46-6		
<b>D4835</b>	200mg 1g		<b>D4858</b>	200mg 1g		<b>D4869</b>	5g 25g		<b>D5494</b>	1g 5g	
2,8-Diiododibenzofuran CAS RN: 5943-11-3			4,6-Dibromodibenzofuran CAS RN: 201138-91-2			Dibenzo[b,d]furan-2-ylboronic Acid CAS RN: 402936-15-6			2-Dibenzofuranamine CAS RN: 3693-22-9		
<b>D5521</b>	200mg 1g		<b>D5565</b>	1g 5g		<b>D5758</b>	1g 5g		<b>I0968</b>	1g 5g	
Dibenzo[b,d]thiophen-2-amine CAS RN: 7428-91-3			Dinaphtho[2,1-b:1',2'-d]-furan CAS RN: 194-63-8			Dibenzofuran-1-boronic Acid CAS RN: 162607-19-4			2-Iododibenzofuran CAS RN: 5408-56-0		
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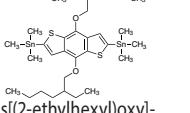
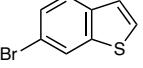
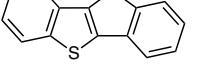
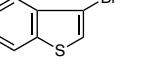
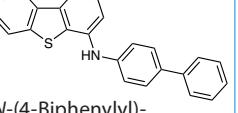
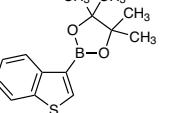
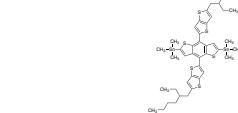
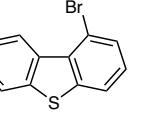
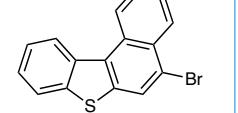
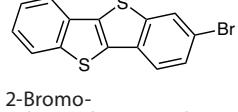
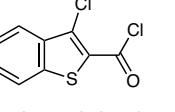
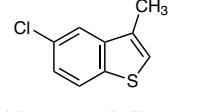
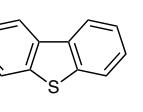
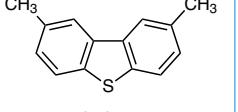
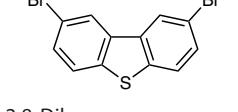
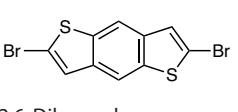
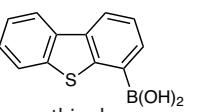
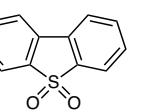
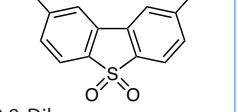
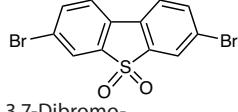
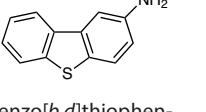
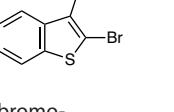
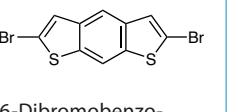
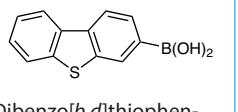
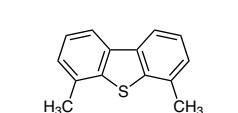
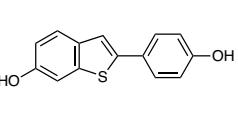
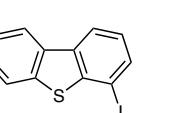
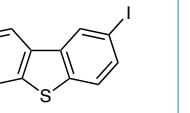
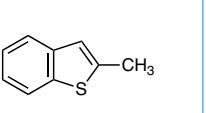
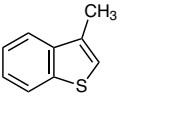
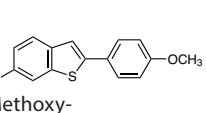
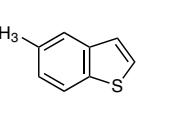
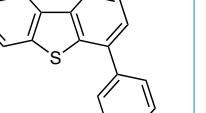
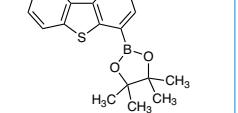
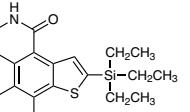
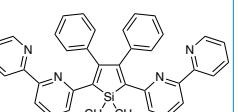
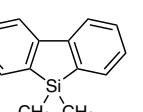
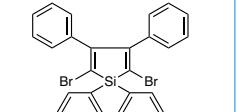
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<b>B3886</b>  100mg 1g 4,7-Bis(5-bromo-2-thienyl)-2,1,3-benzothiadiazole CAS RN: 288071-87-4	<b>B4313</b>  200mg 1g 2,1,3-Benzoselenadiazole CAS RN: 273-15-4	<b>B4473</b>  1g 5g 2,1,3-Benzoxadiazole CAS RN: 273-09-6	<b>B5433</b>  200mg 7-Bromo-4-formyl-2,1,3-benzothiadiazole CAS RN: 1071224-34-4	<b>B5470</b>  100mg Bpin2-NTz CAS RN: 1467776-41-5
<b>B5473</b>  200mg 7-Bromo-4-cyano-2,1,3-benzothiadiazole CAS RN: 1331742-86-9	<b>B5474</b>  200mg 2-[(7-Bromo-2,1,3-benzothiadiazol-4-yl)-methylene]malononitrile CAS RN: 1335150-10-1	<b>B5774</b>  100mg Bpin2-NOz	<b>C1337</b>  5g 25g 4-Chlorobenzofuran CAS RN: 7116-16-7	<b>D3842</b>  1g 5g 25g 4,7-Dibromo-2,1,3-benzothiadiazole CAS RN: 15155-41-6
<b>D3944</b>  1g 4,7-Dibromo-2,1,3-benzoselenadiazole CAS RN: 63224-42-0	<b>D4064</b>  5g 5,6-Dibromo-2,1,3-benzothiadiazole CAS RN: 18392-81-9	<b>D4487</b>  200mg 1g 4,7-Di(2-thienyl)-2,1,3-benzothiadiazole CAS RN: 165190-76-1	<b>D4614</b>  200mg 1g 4,7-Dibromo-2,1,3-benzoxadiazole CAS RN: 54286-63-4	<b>D4734</b>  200mg 4,7-Dibromo-5,6-difluoro-2,1,3-benzothiadiazole CAS RN: 1295502-53-2
<b>D4750</b>  200mg 1g 4,7-Dibromo-5-fluoro-2,1,3-benzothiadiazole CAS RN: 1347736-74-6	<b>D4985</b>  1g 5g 4,7-Dibromo-5,6-dinitro-2,1,3-benzothiadiazole CAS RN: 76186-72-6	<b>D5288</b>  100mg Br <sub>2</sub> -NTz CAS RN: 133546-50-6	<b>D5496</b>  100mg Br <sub>2</sub> -NOz CAS RN: 1437229-17-8	<b>D5547</b>  200mg 5,6-Difluoro-4,7-diiodo-2,1,3-benzothiadiazole CAS RN: 1293389-29-3
<b>N1105</b>  200mg NTz CAS RN: 133546-47-1	<b>N1137</b>  200mg NOz CAS RN: 1394221-73-8	<b>Thiophenes</b>	<b>B1838</b>  1g 5g 25g 2,2'-Bithiophene-5-carboxaldehyde CAS RN: 3779-27-9	<b>B1874</b>  1g 5g 5-Bromo-2,2'-bithiophene-5'-carboxaldehyde CAS RN: 110046-60-1
<b>B2058</b>  1g 5g 5''-Bromo-2,2':5',2''-terthiophene-5-carboxaldehyde CAS RN: 161726-69-8	<b>B3226</b>  200mg 1g 5g 3-Bromothieno-[3,2-b]thiophene CAS RN: 25121-83-9	<b>B3507</b>  5g 25g 2-Bromo-3-hexylthiophene CAS RN: 69249-61-2	<b>B3663</b>  1g 5g 2-Bromo-5-phenylthiophene CAS RN: 29488-24-2	<b>B3691</b>  1g 5g 2-Bromo-3-dodecylthiophene CAS RN: 139100-06-4
<b>B3692</b>  1g 2-Bromothieno-[2,3-b]thiophene CAS RN: 25121-81-7	<b>B3733</b>  5g 2-Bromo-3-n-octylthiophene CAS RN: 145543-83-5	<b>B3738</b>  5g 25g 2-Bromo-5-n-octylthiophene CAS RN: 172514-63-5	<b>B3812</b>  5g 2-Bromo-5-hexylthiophene CAS RN: 211737-28-9	<b>B3985</b>  1g 2-Bromo-4-hexylthiophene CAS RN: 210705-84-3

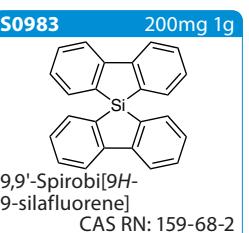
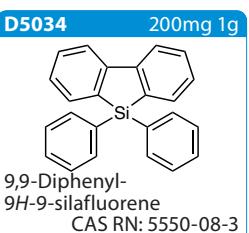
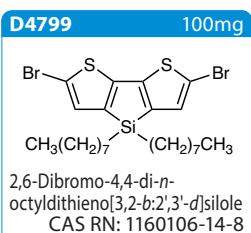
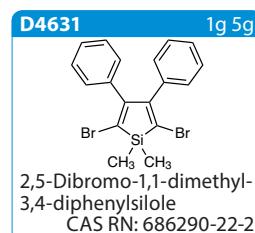
## Building Blocks for Organic Semiconductor

<b>B4050</b>  2-Bromo-thieno[2,3-b]thiophene CAS RN: 105125-00-6	<b>B4126</b>  4-Bromothiophene-3-carboxaldehyde CAS RN: 18791-78-1	<b>B4511</b>  2-Bromo-3-butylthiophene CAS RN: 145543-82-4	<b>B4783</b>  2-Bromo-3-(2-ethylhexyl)thiophene CAS RN: 303734-52-3	<b>B4789</b>  5-Bromo-2,2'-bithiophene CAS RN: 3480-11-3
<b>B4855</b>  2-Bromo-5(trimethylsilyl)thiophene CAS RN: 18246-28-1	<b>B4856</b>  4-Bromo-2(trimethylsilyl)thiophene CAS RN: 77998-61-9	<b>B4885</b>  5-Bromo-2(2-thienyl)pyridine CAS RN: 91891-74-6	<b>B4886</b>  5-Bromo-2-(5-bromo-2-thienyl)pyridine CAS RN: 136902-53-9	<b>B5060</b>  4-Bromo-2-thiophenemethanol CAS RN: 79757-77-0
<b>B5106</b>  2-(4-Bromophenyl)-thiophene CAS RN: 40133-22-0	<b>B5196</b>  2,5-Bis(trimethylsilyl)-ethynylthieno[3,2-b]thiophene CAS RN: 139896-65-4	<b>B5358</b>  5,5'-Diformyl-2,2'-bithiophene CAS RN: 32364-72-0	<b>B5396</b>  7-Bromo-2,3-dihydrothieno[3,4-b][1,4]dioxine-5-carboxaldehyde CAS RN: 852054-42-3	<b>B5406</b>  2-Bromo-5-decyldithiophene CAS RN: 514188-72-8
<b>B5407</b>  2-Bromo-5-dodecylthiophene CAS RN: 153561-74-1	<b>B5408</b>  2-Bromo-3-tetradecylthiophene CAS RN: 500199-09-7	<b>B5409</b>  2-Bromo-3-hexadecylthiophene CAS RN: 827343-08-8	<b>B5410</b>  2-Bromo-3-octadecylthiophene CAS RN: 827343-18-0	<b>B5420</b>  2-Bromo-3-cyclohexylthiophene CAS RN: 241477-71-4
<b>B5456</b>  3-(5-Bromo-2-thienyl)-2,5-bis(2-ethylhexyl)-6-(2-thienyl)-pyrrolo[3,4-c]pyrrole-1,4-dione CAS RN: 1308671-90-0	<b>B5457</b>  5'-Bromo-[2,2'-bithiophene]-5-carbonitrile CAS RN: 176787-96-5	<b>B5458</b>  2-[5'-Bromo-[2,2'-bithiophene]-5-yl]-methylene]malononitrile CAS RN: 704890-84-6	<b>B5475</b>  2-Bromo-5-(2-ethylhexyl)thiophene CAS RN: 925899-21-4	<b>B5491</b>  2-(4-Bromophenyl)-5-phenylthiophene CAS RN: 118621-30-0
<b>B5553</b>  2-Bromo-5-(4-hexylphenyl)thiophene CAS RN: 934368-79-3	<b>B5690</b>  5,5''-Bis(trimethylstannyl)-2,2':5',2''-terthiophene CAS RN: 178931-63-0	<b>B6395</b>  2,5-Bis(trimethylstannyl)-thiophene CAS RN: 86134-26-1	<b>C2613</b>  2-Chloro-3-hexylthiophene CAS RN: 817181-75-2	<b>C2715</b>  4H-Cyclopenta[1,2-b:5,4-b']dithiophen-4-one CAS RN: 25796-77-4
<b>C3021</b>  4H-Cyclopenta[2,1-b:3,4-b']dithiophene CAS RN: 389-58-2	<b>C3301</b>  5-Chloro-2-thiopheneboronic Acid Pinacol Ester CAS RN: 635305-24-7	<b>C3400</b>  3-Cyclohexylthiophene CAS RN: 120659-34-9	<b>D4181</b>  4,4'-Dibromo-2,2'-bithiophene CAS RN: 51285-60-0	<b>D4290</b>  3-Dodecyl-2-thiopheneboronic Acid Pinacol Ester CAS RN: 960524-18-9
<b>D4291</b>  4-Dodecyl-2-thiopheneboronic Acid Pinacol Ester CAS RN: 1173788-58-3	<b>D4376</b>  2,5-Dibromothiophene 1,1-Dioxide CAS RN: 89088-95-9	<b>D4874</b>  2-Dodecylthiophene CAS RN: 4861-61-4	<b>D5021</b>  2,5-Dibromo-N-(2-ethylhexyl)-3,4-thiophenedicarboximide CAS RN: 1231160-83-0	<b>D5240</b>  2-Decylthiophene CAS RN: 24769-39-9

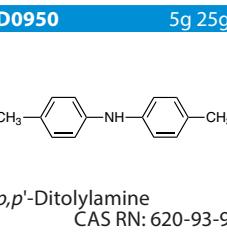
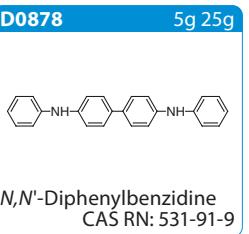
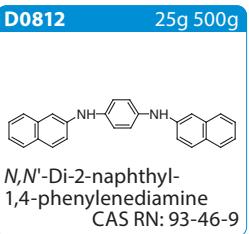
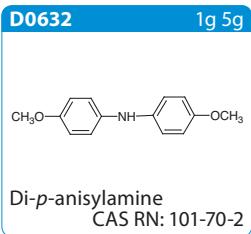
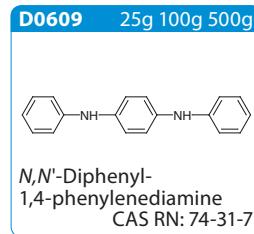
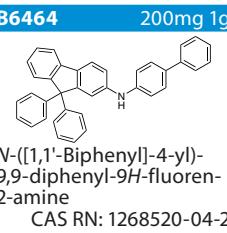
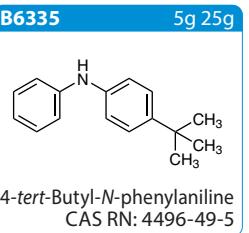
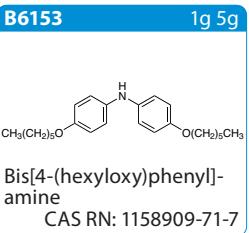
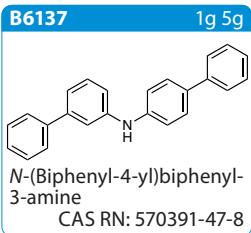
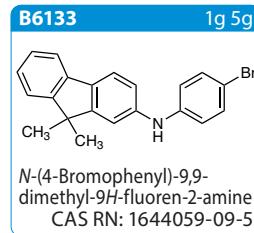
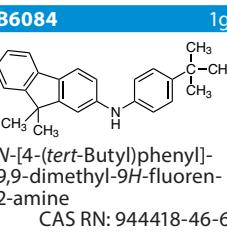
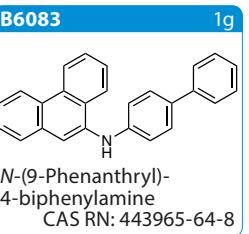
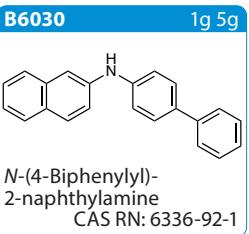
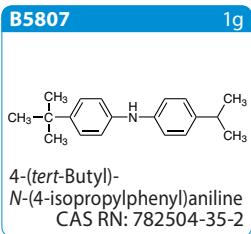
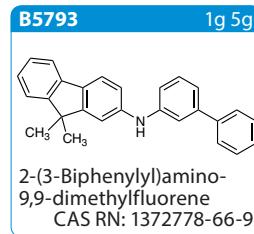
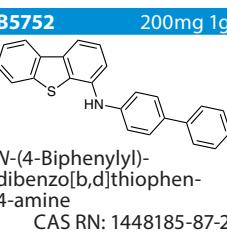
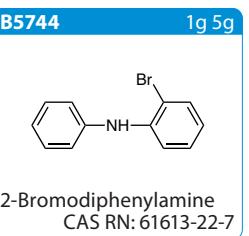
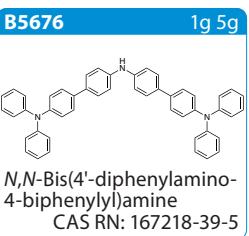
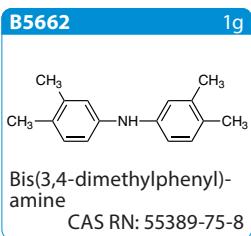
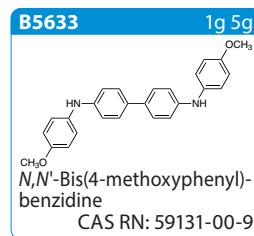
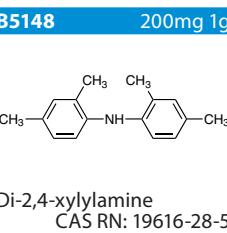
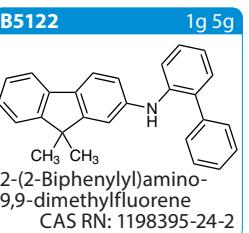
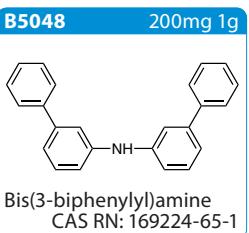
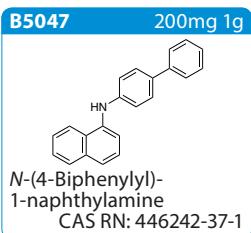
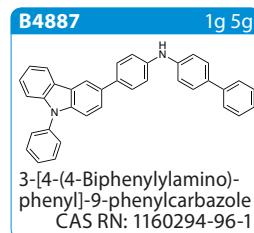
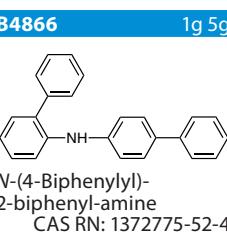
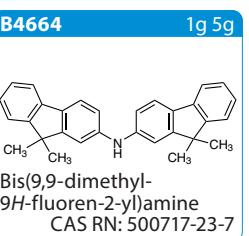
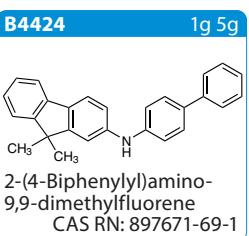
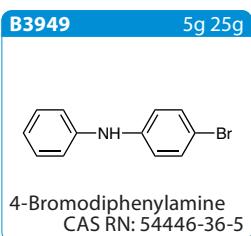
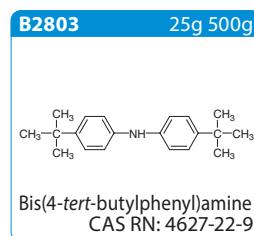
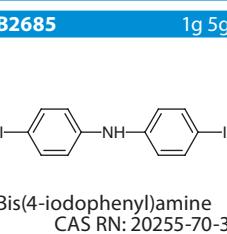
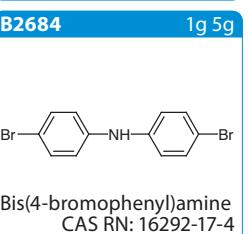
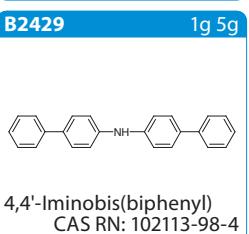
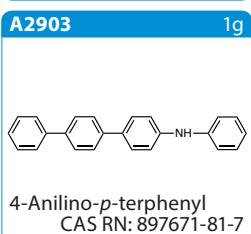
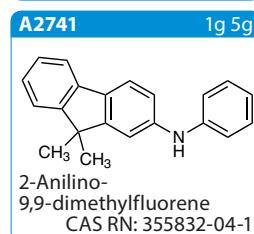
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<b>D5492</b>  DH-4T CAS RN: 132814-91-6	<b>D5525</b>  3,4-Ethylenedioxythiophene-2-boronic Acid Pinacol Ester CAS RN: 250726-93-3	<b>D5544</b>  4-Dodecyl-2-(trimethylstannyl)thiophene CAS RN: 211181-63-4	<b>D5587</b>  Dithieno[3,2-b:2',3'-d]-thiophene-2,6-dicarboxaldehyde CAS RN: 67061-73-8	<b>D5729</b>  2,5-Dibromo-3-fluorothiophene CAS RN: 32431-85-9
<b>E1150</b>  3,4-Ethylenedioxythiophene-2-carboxaldehyde CAS RN: 204905-77-1	<b>E1294</b>  2-(2-Ethylhexyl)thiophene CAS RN: 4891-44-5	<b>E1295</b>  5-(2-Ethylhexyl)-2-thiopheneboronic Acid Pinacol Ester CAS RN: 1390584-88-9	<b>E1355</b>  4-(2-Ethylhexyl)-2-thiopheneboronic Acid Pinacol Ester CAS RN: 1224430-50-5	<b>E1397</b>  N-(2-Ethylhexyl)-3,4-thiophenedicarboximide CAS RN: 1231160-82-9
<b>F0548</b>  5'-Formyl-2',2'-bithiophene-5-boronic Acid CAS RN: 1369328-62-0	<b>F0801</b>  3-Formyl-2-thiopheneboronic Acid CAS RN: 17303-83-2	<b>F1065</b>  (5-Formyl-3-thienyl)-boronic Acid CAS RN: 175592-59-3	<b>F1133</b>  5-Formylthiophene-2-carbonitrile CAS RN: 21512-16-3	<b>H1294</b>  4-Hexyl-2-thiopheneboronic Acid Pinacol Ester CAS RN: 883742-29-8
<b>H1298</b>  3-Hexyl-2-thiopheneboronic Acid Pinacol Ester CAS RN: 850881-09-3	<b>H1499</b>  4-Hexylthiophene-2-carboxaldehyde CAS RN: 222554-30-5	<b>H1503</b>  4-Hexylthiophene-2-carbonitrile CAS RN: 1224430-39-0	<b>H1680</b>  4-Hexyl-2-(trimethylstannyl)-thiophene CAS RN: 154717-22-3	<b>I0998</b>  2-Iodo-5-phenylthiophene CAS RN: 13781-37-8
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<b>T1805</b>  2,2':5',2"-Terthiophene-5-carboxaldehyde CAS RN: 7342-41-8	<b>T2518</b>  2,2'-Bithiophene-5-boronic Acid Pinacol Ester CAS RN: 479719-88-5	<b>T2621</b>  Thieno[3,2-b]thiophene-2-boronic Acid CAS RN: 160032-40-6	<b>T2699</b>  3,3',5,5'-Tetrabromo-2,2'-bithiophene CAS RN: 125143-53-5	<b>T2772</b>  2,3,5,6-Tetrabromo-thieno[3,2-b]thiophene CAS RN: 124638-53-5

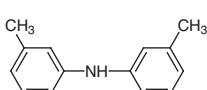
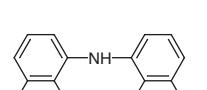
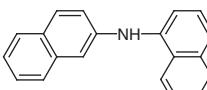
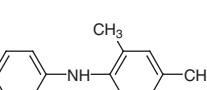
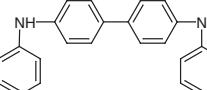
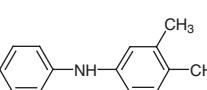
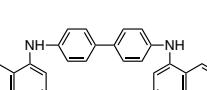
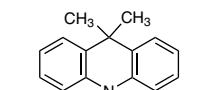
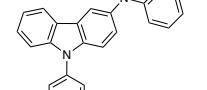
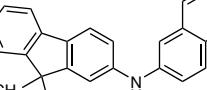
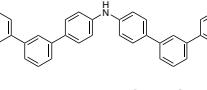
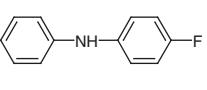
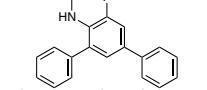
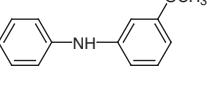
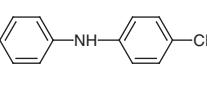
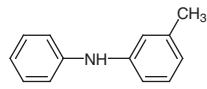
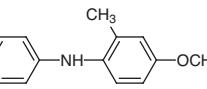
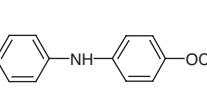
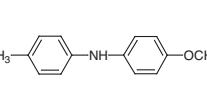
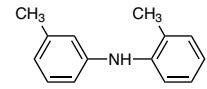
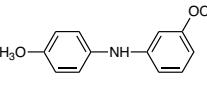
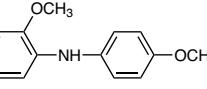
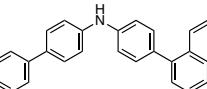
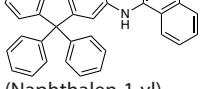
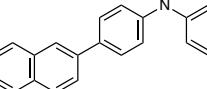
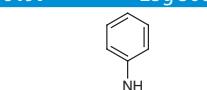
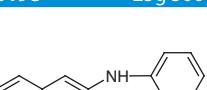
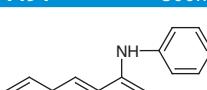
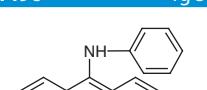
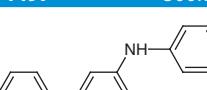
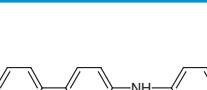
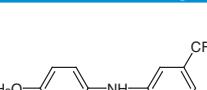
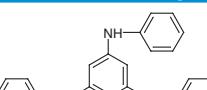
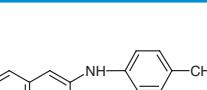
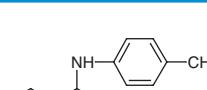
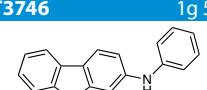
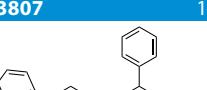
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T3343  3,4-Diformylthiophene CAS RN: 1073-31-0	T3485  5-Formyl-2-thiopheneboronic Acid Pinacol Ester CAS RN: 1040281-83-1	<b>Benzo-thiophenes</b>		A1497  2-Acetylbenzo[b]thiophene CAS RN: 22720-75-8
B2033  Benzo[b]thiophene-2-carboxylic Acid CAS RN: 6314-28-9	B2893  Benzo[b]thiophene-2-boronic Acid CAS RN: 98437-23-1	B3147  3-(Bromomethyl)-5-chlorobenzo[b]thiophene CAS RN: 1198-51-2	B3464  Benzo[1,2-b:4,5-b']dithiophene CAS RN: 267-65-2	B3525  2-Bromodibenzothiophene CAS RN: 22439-61-8
B3561  2-(2-Pyridyl)-benzo[b]thiophene CAS RN: 38210-35-4	B3762  5-Bromobenzo[b]thiophene CAS RN: 4923-87-9	B3777  Benzo[b]thiophene-2-carboxaldehyde CAS RN: 3541-37-5	B3793  Benzo[1,2-b:4,5-b']dithiophene-4,8-dione CAS RN: 32281-36-0	B4086  Benzo[b]thiophene-3-carboxaldehyde CAS RN: 5381-20-4
B4158  Benzo[1,2-b:4,5-b']dithiophene-2,6-diboronic Acid Bis(pinacol) Ester CAS RN: 861398-06-3	B4395  4,8-Bis[5-(2-ethylhexyloxy)-benzo[1,2-b:4,5-b']dithiophene CAS RN: 1160823-77-7	B4437  4,8-Bis[5-(2-ethylhexylthio)-2,6-bis(trimethylstannyl)-benzo[1,2-b:4,5-b']dithiophene CAS RN: 1352642-37-5	B4449  4-Bromodibenzothiophene CAS RN: 97511-05-2	B4628  Benzo[b]thiophene-2-methanol CAS RN: 17890-56-1
B4637  Benzo[b]thiophene-2-carbonyl Chloride CAS RN: 39827-11-7	B4650  Benzo[b]thiophene-3-carboxylic Acid CAS RN: 5381-25-9	B4774  Benzo[b]thiophene-3-boronic Acid CAS RN: 113893-08-6	B4829  7-Bromobenzo[b]thiophene CAS RN: 1423-61-6	B4904  2-Bromo-8-iododibenzothiophene CAS RN: 1206544-88-8
B4951  Benzo[b]naphtho[1,2-d]thiophene CAS RN: 205-43-6	B5016  2-(4-Bromophenyl)-benzo[b]thiophene CAS RN: 19437-86-6	B5267  2-Bromodibenzosulfolane CAS RN: 53846-85-8	B5268  3-Bromodibenzosulfolane CAS RN: 116668-69-0	B5384  4-(4-Bromophenyl)-dibenzothiophene CAS RN: 530402-77-8
B5434  5H-Benz[4,5]-thieno[3,2-c]carbazole CAS RN: 1255308-97-4	B5452  3-Bromodibenzothiophene CAS RN: 97511-04-1	B5454  4,8-Bis(dodecylxy)-benzo[1,2-b:4,5-b']dithiophene CAS RN: 1044795-04-1	B5484  4,8-Bis(n-octyloxy)benzo[1,2-b:4,5-b']dithiophene-2,6-dicarbaldehyde CAS RN: 1668554-22-0	B5485  4,8-Bis[5-(2-ethylhexyl)-thiophen-2-yl]benzo[1,2-b:4,5-b']dithiophene CAS RN: 1352642-35-3

<b>B5490</b>  4,8-Bis(2-ethylhexyl)oxy-2,6-bis(trimethylstannyl)-benzo[1,2-b;4,5-b']dithiophene CAS RN: 1160823-78-8	500mg 5g
<b>B5523</b>  6-Bromobenzo[b]thiophene CAS RN: 17347-32-9	1g
<b>B5551</b>  Benzo[b]benzo[4,5]-thieno[2,3-d]thiophene CAS RN: 248-70-4	200mg 1g
<b>B5589</b>  3-Bromobenzo[b]thiophene CAS RN: 7342-82-7	5g 25g
<b>B5752</b>  N-(4-Biphenylyl)-dibenzo[b,d]thiophen-4-amine CAS RN: 1448185-87-2	200mg 1g
<b>B5821</b>  Benzo[b]thiophene-3-boronic Acid Pinacol Ester CAS RN: 171364-86-6	1g
<b>B5768</b>  [4,8-Bis[5-(2-ethylhexyl)thieno[3,2-b]thiophen-2-yl]benzo[1,2-b:4,5-b']dithiophene-2,6-diy]bis(trimethylstannane) CAS RN: 1444200-40-1	200mg
<b>B5861</b>  1-Bromodibenzothiophene CAS RN: 65642-94-6	1g
<b>B5940</b>  5-Bromobenzo[b]naphtho[1,2-d]thiophene CAS RN: 189097-35-6	1g 5g
<b>B6247</b>  2-Bromo-1-benzothieno[3,2-b]-1-benzothiophene CAS RN: 1398397-58-4	100mg
<b>C2286</b>  3-Chlorobenzo[b]thiophene-2-carbonyl Chloride CAS RN: 21815-91-8	1g
<b>C2457</b>  5-Chloro-3-methylbenzo[b]thiophene CAS RN: 19404-18-3	5g 25g
<b>D0148</b>  Dibenzothiophene CAS RN: 132-65-0	5g 25g
<b>D2223</b>  2,8-Dimethyl-dibenzothiophene CAS RN: 1207-15-4	100mg
<b>D2245</b>  2,8-Dibromo-dibenzothiophene CAS RN: 31574-87-5	1g 5g 25g
<b>D3954</b>  2,6-Dibromobenzo[1,2-b:4,5-b']dithiophene CAS RN: 909280-97-3	1g 5g
<b>D4057</b>  Dibenzothiophene-4-boronic Acid CAS RN: 108847-20-7	1g 5g
<b>D4153</b>  Dibenzosulfolane CAS RN: 1016-05-3	5g 25g
<b>D5027</b>  2,8-Dibromo-dibenzosulfolane CAS RN: 40307-15-1	200mg 1g
<b>D5052</b>  3,7-Dibromo-dibenzosulfolane CAS RN: 83834-12-2	200mg
<b>D5521</b>  Dibenzo[b,d]thienophen-2-amine CAS RN: 7428-91-3	200mg 1g
<b>D5604</b>  2,3-Dibromobenzo[b]thiophene CAS RN: 6287-82-7	1g 5g
<b>D5923</b>  2,6-Dibromobenzo[1,2-b:5,4-b']dithiophene CAS RN: 1242077-24-2	500mg
<b>D6032</b>  Dibenzo[b,d]thienophen-3-ylboronic Acid CAS RN: 108847-24-1	200mg 1g
<b>D6087</b>  4,6-Dimethyldibenzo[b,d]-thiophene CAS RN: 1207-12-1	1g 5g
<b>H1628</b>  2-(4-Hydroxyphenyl)-benzo[b]thiophene-6-ol CAS RN: 63676-22-2	50mg 200mg
<b>I0947</b>  4-Iododibenzothiophene CAS RN: 132034-89-0	1g 5g
<b>I0973</b>  2-Iododibenzothiophene CAS RN: 177586-41-3	200mg 1g
<b>M1429</b>  2-Methylthianaphthene CAS RN: 1195-14-8	1g 5g
<b>M1952</b>  3-Methylbenzo[b]thiophene CAS RN: 1455-18-1	1g 5g
<b>M2345</b>  6-Methoxy-2-(4-methoxyphenyl)-benzo[b]thiophene CAS RN: 63675-74-1	5g 25g
<b>M2974</b>  5-Methylbenzo[b]thiophene CAS RN: 14315-14-1	1g 5g
<b>P2510</b>  4-Phenyldibenzothiophene CAS RN: 98251-31-1	1g 5g
<b>T3236</b>  4-Dibenzothiopheneboronic Acid Pinacol Ester CAS RN: 912824-84-1	1g 5g
<b>T3850</b>  TES-NTI CAS RN: 2195419-19-1	100mg
<b>Siloles</b>	
<b>B4233</b>  2,5-Bis(2,2'-bipyridin-6-yl)-1,1-dimethyl-3,4-diphenylsilole CAS RN: 350042-00-1	200mg
<b>D4308</b>  9,9-Dimethyl-9H-silafluorene CAS RN: 13688-68-1	1g 5g
<b>D4310</b>  2,5-Dibromo-1,1,3,4-tetraphenylsilole CAS RN: 200068-36-6	1g 5g

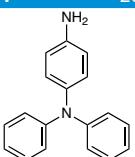
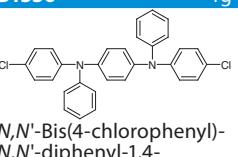
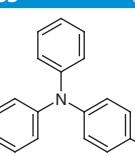
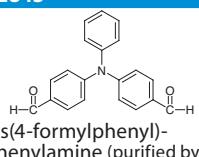
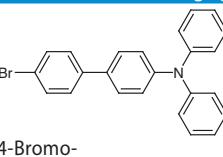
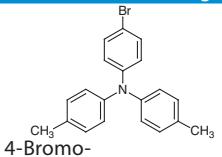
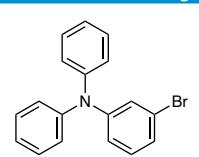
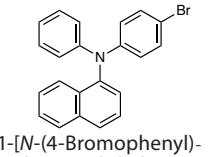
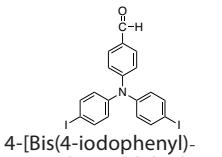
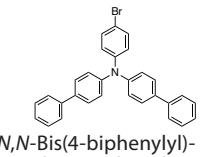
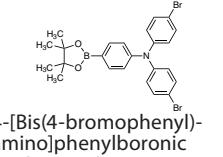
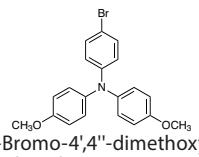
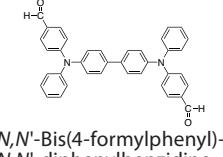
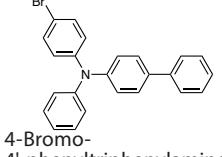
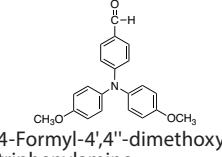
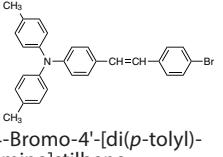
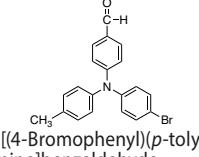
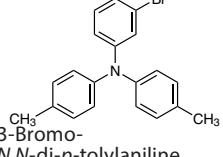
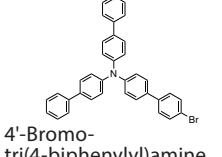
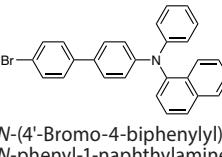
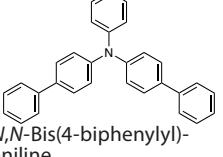
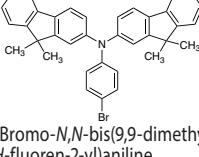
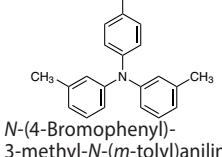
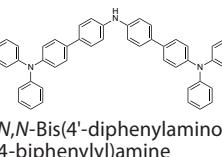
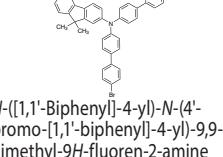
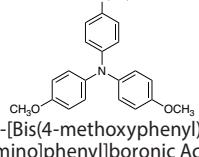
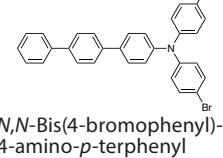
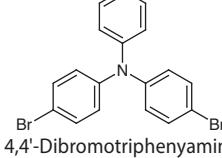
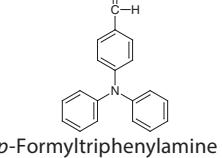
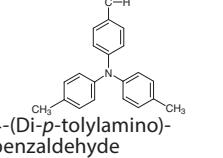
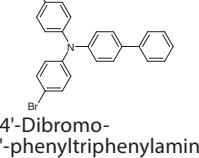
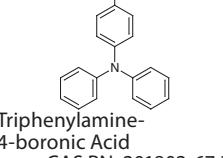
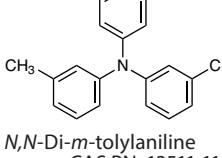
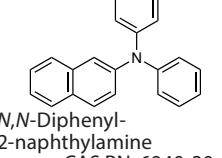
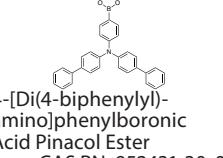


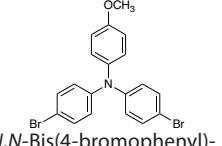
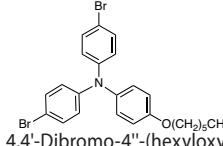
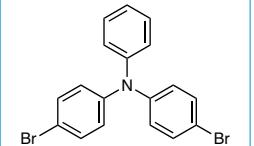
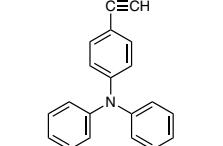
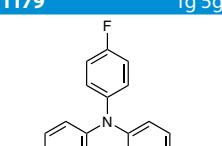
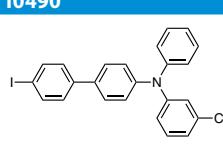
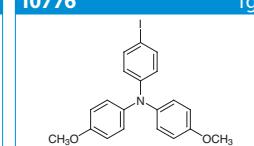
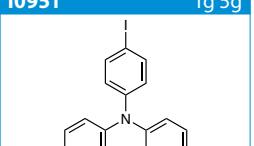
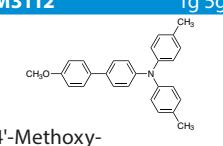
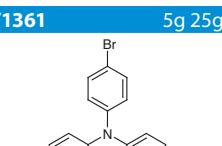
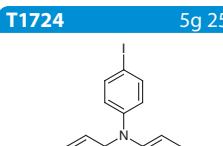
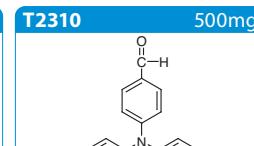
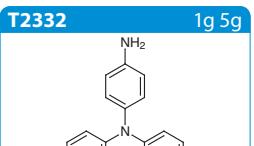
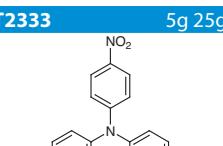
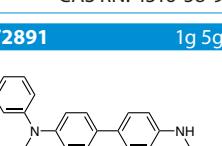
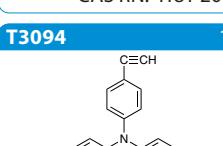
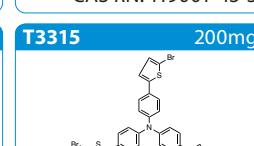
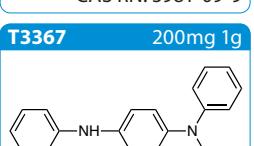
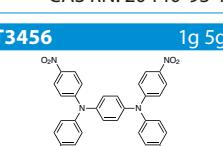
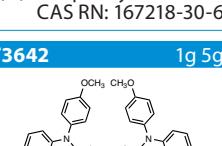
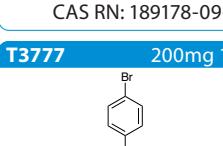
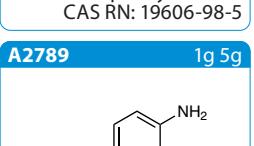
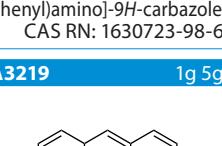
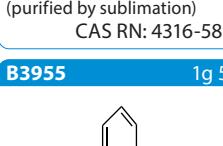
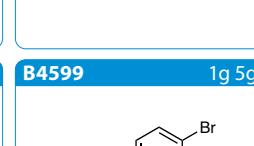
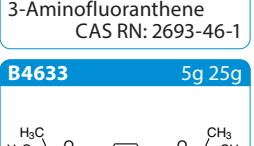
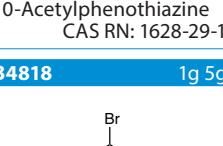
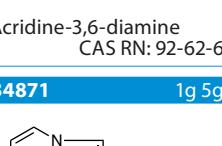
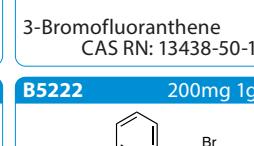
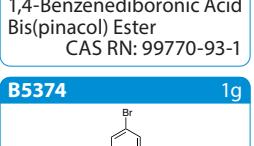
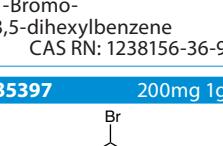
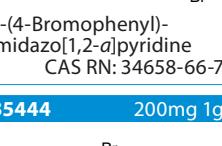
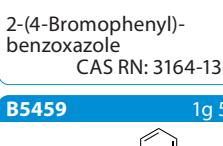
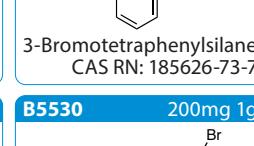
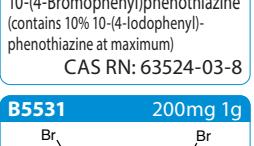
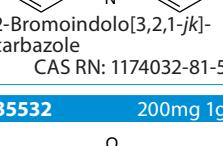
## Secondary Arylamines



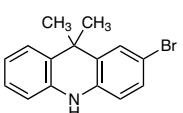
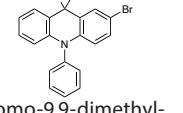
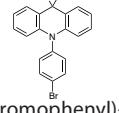
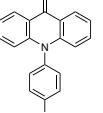
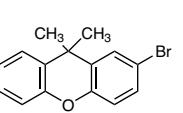
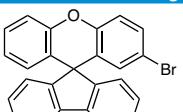
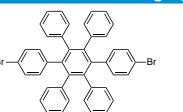
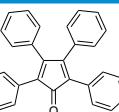
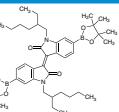
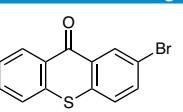
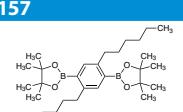
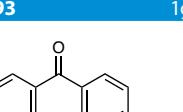
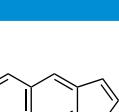
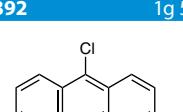
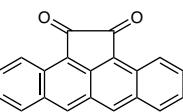
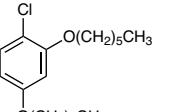
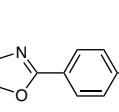
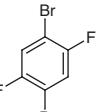
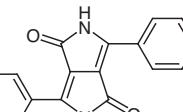
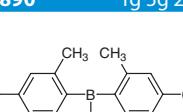
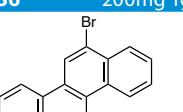
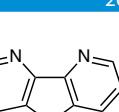
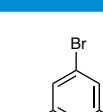
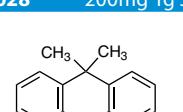
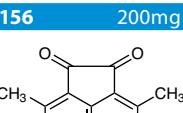
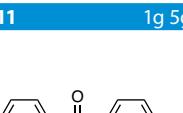
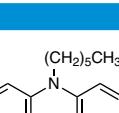
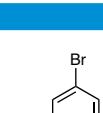
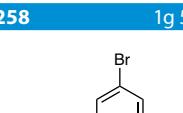
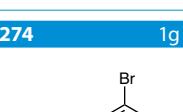
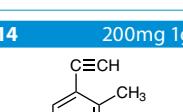
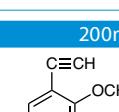
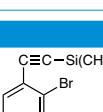
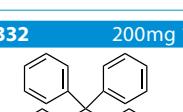
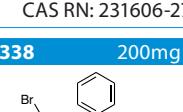
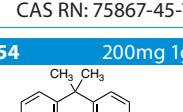
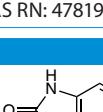
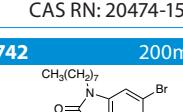
<b>D1512</b>  <i>m,m'-Ditolylamine</i> CAS RN: 626-13-1	<b>5g 25g</b>	<b>D2986</b>  <i>1,1'-Dinaphthylamine</i> CAS RN: 737-89-3	<b>1g</b>	<b>D2988</b>  <i>1,2'-Dinaphthylamine</i> (purified by sublimation) CAS RN: 4669-06-1	<b>1g 5g</b>	<b>D3398</b>  <i>N-Phenyl-2,4-xylidine</i> CAS RN: 25078-04-0	<b>25g</b>	<b>D3567</b>  <i>N,N'-Di-p-tolylbenzidine</i> CAS RN: 10311-61-2	<b>1g 5g</b>
<b>D3845</b>  <i>N-Phenyl-3,4-xylidine</i> CAS RN: 17802-36-7	<b>25g</b>	<b>D4768</b>  <i>N,N'-Di(1-naphthyl)benzidine</i> (purified by sublimation) CAS RN: 152670-41-2	<b>1g 5g</b>	<b>D5028</b>  <i>9,10-Dihydro-9,9-dimethylacridine</i> CAS RN: 6267-02-3	<b>200mg 1g 5g</b>	<b>D5567</b>  <i>N,9-Diphenyl-9H-carbazol-3-amine</i> CAS RN: 894791-43-6	<b>1g 5g</b>	<b>D5801</b>  <i>9,9-Dimethyl-N-(2-naphthyl)-9H-fluoren-2-amine</i> CAS RN: 1263001-82-6	<b>1g 5g</b>
<b>D5811</b>  <i>Di([1,1':3',1"-terphenyl]-4-yl)amine</i> CAS RN: 897671-71-5	<b>1g 5g</b>	<b>F0630</b>  <i>4-Fluorodiphenylamine</i> CAS RN: 330-83-6	<b>1g 5g</b>	<b>F1070</b>  <i>5'-Fluoro-N-phenyl-[1,1':3',1"-terphenyl]-4'-amine</i> CAS RN: 1228153-91-0	<b>200mg</b>	<b>M1135</b>  <i>3-Methoxydiphenylamine</i> CAS RN: 101-16-6	<b>25g 500g</b>	<b>M1173</b>  <i>4-Methyldiphenylamine</i> CAS RN: 620-84-8	<b>1g 5g</b>
<b>M1258</b>  <i>3-Methyldiphenylamine</i> CAS RN: 1205-64-7	<b>25g</b>	<b>M1286</b>  <i>4-Methoxy-2-methyldiphenylamine</i> CAS RN: 41317-15-1	<b>25g</b>	<b>M2069</b>  <i>4-Methoxydiphenylamine</i> CAS RN: 1208-86-2	<b>5g 25g</b>	<b>M2070</b>  <i>4-Methoxy-4'-methyldiphenylamine</i> CAS RN: 39253-43-5	<b>5g 25g</b>	<b>M3064</b>  <i>2-Methyl-N-(m-tolyl)-aniline</i> CAS RN: 34801-11-1	<b>1g 5g</b>
<b>M3065</b>  <i>3-Methoxy-N-(4-methoxyphenyl)aniline</i> CAS RN: 3661-49-2	<b>1g 5g</b>	<b>M3067</b>  <i>2,4'-Dimethoxydiphenylamine</i> CAS RN: 58751-07-8	<b>1g 5g</b>	<b>N1053</b>  <i>N-[4-(1-Naphthyl)phenyl]-4-biphenylamine</i> CAS RN: 897921-59-4	<b>200mg 1g</b>	<b>N1106</b>  <i>N-(Naphthalen-1-yl)-9,9-diphenyl-9H-fluoren-2-amine</i> CAS RN: 1196694-11-7	<b>1g</b>	<b>N1134</b>  <i>4-(Naphthalen-2-yl)-N-phenylaniline</i> CAS RN: 897671-79-3	<b>1g 5g</b>
<b>P0197</b>  <i>1-Anilinonaphthalene</i> CAS RN: 90-30-2	<b>25g 500g</b>	<b>P0198</b>  <i>2-Anilinonaphthalene</i> CAS RN: 135-88-6	<b>25g 500g</b>	<b>P1494</b>  <i>1-Anilinoanthracene</i> CAS RN: 98683-00-2	<b>500mg</b>	<b>P1496</b>  <i>9-Anilinoanthracene</i> CAS RN: 15424-38-1	<b>1g 5g</b>	<b>P1497</b>  <i>3-Anilinobiphenyl</i> CAS RN: 198275-79-2	<b>500mg</b>
<b>P1498</b>  <i>4-Anilinobiphenyl</i> CAS RN: 32228-99-2	<b>500mg</b>	<b>T1326</b>  <i>3-Trifluoromethyl-4-methoxy-diphenylamine</i> CAS RN: 1494-26-4	<b>1g 5g</b>	<b>T1831</b>  <i>1,3,5-Tris(phenylamino)-benzene</i> CAS RN: 102664-66-4	<b>5g 25g</b>	<b>T2065</b>  <i>2-(p-Toluidino)naphthalene</i> CAS RN: 644-16-6	<b>500mg</b>	<b>T2201</b>  <i>1-(p-Toluidino)naphthalene</i> CAS RN: 634-43-5	<b>500mg</b>
<b>T2891</b>  <i>N,N,N'-Triphenylbenzidine</i> CAS RN: 167218-30-6	<b>1g 5g</b>	<b>T3367</b>  <i>4-Anilinotriphenylamine</i> CAS RN: 19606-98-5	<b>200mg 1g</b>	<b>T3746</b>  <i>N,9,9-Triphenyl-9H-fluoren-2-amine</i> CAS RN: 860465-14-1	<b>1g 5g</b>	<b>T3807</b>  <i>N-(3,5-Diphenylphenyl)-9,9-dimethylfluoren-2-amine</i> CAS RN: 1372778-68-1	<b>1g</b>	<b>Tertiary Arylamines</b>	

## Building Blocks for Organic Semiconductor

<b>A2624</b> 200mg  4-Aminotriphenylamine CAS RN: 2350-01-8	<b>A2858</b> 1g 5g  2-Amino-N-[(1,1'-biphenyl)-4-yl]-N-(4-bromophenyl)-9,9-dimethylfluorene CAS RN: 1246562-40-2	<b>B1336</b> 1g  N,N'-Bis(4-chlorophenyl)-N,N'-diphenyl-1,4-phenylenediamine CAS RN: 113703-66-5	<b>B2633</b> 5g 25g  4-Bromotriphenylamine CAS RN: 36809-26-4	<b>B2843</b> 1g  Bis(4-formylphenyl)-phenylamine (purified by sublimation) CAS RN: 53566-95-3
<b>B2844</b> 250mg 1g  4-Bromo-4'-(diphenylamino)biphenyl CAS RN: 202831-65-0	<b>B3089</b> 1g 5g  4-Bromo-N,N-di-p-tolylaniline CAS RN: 58047-42-0	<b>B3991</b> 200mg  4,4'-Dibromo-4"-formyltriphenylamine CAS RN: 25069-38-9	<b>B4008</b> 5g  2-Bromotriphenylamine CAS RN: 78600-31-4	<b>B4036</b> 1g 5g  3-Bromotriphenylamine CAS RN: 78600-33-6
<b>B4299</b> 200mg 1g  1-[N-(4-Bromophenyl)-anilino]naphthalene CAS RN: 138310-84-6	<b>B4543</b> 200mg  4-[Bis(4-iodophenyl)-amino]benzaldehyde CAS RN: 808758-81-8	<b>B4550</b> 5g 25g  N,N'-Bis(4-biphenyl)-N-(4-bromophenyl)amine CAS RN: 499128-71-1	<b>B4660</b> 200mg 1g  4-[Bis(4-bromophenyl)-amino]phenylboronic Acid Pinacol Ester CAS RN: 850153-24-1	<b>B4667</b> 1g 5g  4-Bromo-4'-(4-methoxyphenyl)-tri phenylamine CAS RN: 194416-45-0
<b>B4793</b> 200mg 1g  N,N'-Bis(4-formylphenyl)-N,N'-diphenylbenzidine CAS RN: 137911-28-5	<b>B4812</b> 1g 5g  4-Bromo-4'-phenyltriphenylamine CAS RN: 503299-24-9	<b>B4905</b> 1g  4-Formyl-4',4"-dimethoxy-triphenylamine CAS RN: 89115-20-8	<b>B4906</b> 200mg 1g  4-Bromo-4'-[di(p-tolyl)-amino]stilbene CAS RN: 101186-77-0	<b>B4922</b> 200mg 1g  4-[4-Bromophenyl](p-tolyl)-amino]benzaldehyde CAS RN: 733744-98-4
<b>B5019</b> 1g  3-Bromo-N,N-di-p-tolylaniline CAS RN: 845526-91-2	<b>B5020</b> 1g 5g  4'-Bromo-tri(4-biphenyl)amine CAS RN: 728039-63-2	<b>B5049</b> 200mg 1g  N-(4'-Bromo-4-biphenyl)-N-phenyl-1-naphthylamine CAS RN: 352359-42-3	<b>B5086</b> 1g 5g  N,N'-Bis(4-biphenyl)-N-phenyl-1-naphthylamine CAS RN: 122215-84-3	<b>B5142</b> 200mg  4-Bromo-N,N-bis(9,9-dimethyl-9H-fluoren-2-yl)aniline CAS RN: 313050-71-4
<b>B5637</b> 1g 5g  4,4'-Dibromo-4"-fluorotriphenylamine CAS RN: 1429194-04-6	<b>B5638</b> 1g  N-(4-Bromophenyl)-3-methyl-N-(m-tolyl)aniline CAS RN: 203710-89-8	<b>B5676</b> 1g 5g  N,N'-Bis(4'-diphenylamino)-4-biphenylamine CAS RN: 167218-39-5	<b>B5719</b> 1g  N-([1,1'-Biphenyl]-4-yl)-N-(4'-bromo-[1,1'-biphenyl]-4-yl)-9,9-dimethyl-9H-fluoren-2-amine CAS RN: 1268621-99-3	<b>B6005</b> 1g  [4-[Bis(4-methoxyphenyl)-amino]phenyl]boronic Acid CAS RN: 201802-29-1
<b>B6126</b> 1g 5g  N,N'-Bis(4-bromophenyl)-4-amino-p-terphenyl CAS RN: 2205054-16-4	<b>D1910</b> 1g 5g  4,4'-Dibromotriphenylamine CAS RN: 81090-53-1	<b>D2172</b> 5g 25g  p-Formyltriphenylamine CAS RN: 4181-05-9	<b>D2737</b> 1g 5g  4-(Di-p-tolylamino)-benzaldehyde CAS RN: 42906-19-4	<b>D3303</b> 1g  4,4'-Dibromo-4"-phenyltriphenylamine CAS RN: 884530-69-2
<b>D3537</b> 1g 5g  Triphenylamine-4-boronic Acid CAS RN: 201802-67-7	<b>D4755</b> 1g 5g  N,N-Di-m-tolylaniline CAS RN: 13511-11-0	<b>D4843</b> 1g 5g  N,N-Diphenyl-2-naphthylamine CAS RN: 6940-30-3	<b>D4886</b> 1g 5g  4-[Di(4-biphenyl)-amino]phenylboronic Acid Pinacol Ester CAS RN: 952431-30-0	<b>D5330</b> 1g 5g  4,4'-Dibromo-4"-tert-butyltriphenylamine CAS RN: 852534-22-6

<b>D5339</b> 1g 5g  <i>N,N'-Bis(4-bromophenyl)-4-methoxyaniline</i> CAS RN: 100308-69-8	<b>D5378</b> 200mg 1g  <i>4,4'-Dibromo-4''-(hexyloxy)-triphenylamine</i> CAS RN: 1456880-51-5	<b>D5534</b> 1g 5g  <i>4-(Diphenylamino)-phenylboronic Acid Pinacol Ester</i> CAS RN: 267221-88-5	<b>D5603</b> 200mg 1g  <i>4,4'-Dibromotriphenylamine</i> CAS RN: 81090-53-1	<b>E0894</b> 1g  <i>4-Ethynyltriphenylamine</i> CAS RN: 205877-26-5
<b>F1179</b> 1g 5g  <i>4-Fluorotriphenylamine</i> CAS RN: 437-25-2	<b>I0490</b> 1g  <i>N-(4'-Iodobiphenyl-4-yl)-N-(m-tolyl)aniline</i> CAS RN: 195443-34-6	<b>I0776</b> 1g  <i>4-Iodo-4',4''-dimethoxy-triphenylamine</i> CAS RN: 201802-15-5	<b>I0951</b> 1g 5g  <i>4-Iodotriphenylamine</i> CAS RN: 38257-52-2	<b>M3112</b> 1g 5g  <i>4'-Methoxy-N,N-di-p-tolyl-[1,1'-biphenyl]-4-amine</i> CAS RN: 129119-41-1
<b>T1361</b> 5g 25g  <i>Tris(4-bromophenyl)amine</i> CAS RN: 4316-58-9	<b>T1724</b> 5g 25g  <i>Tris(4-iodophenyl)amine</i> CAS RN: 4181-20-8	<b>T2310</b> 500mg  <i>Tris(4-formylphenyl)amine</i> CAS RN: 119001-43-3	<b>T2332</b> 1g 5g  <i>Tris(4-aminophenyl)amine</i> CAS RN: 5981-09-9	<b>T2333</b> 5g 25g  <i>Tris(4-nitrophenyl)amine</i> CAS RN: 20440-93-1
<b>T2891</b> 1g 5g  <i>N,N,N'-Triphenylbenzidine</i> CAS RN: 167218-30-6	<b>T3094</b> 1g  <i>Tris(4-ethynylphenyl)-amine</i> CAS RN: 189178-09-4	<b>T3315</b> 200mg  <i>Tris[4-(5-bromothiophen-2-yl)-phenyl]amine</i> CAS RN: 339985-36-3	<b>T3367</b> 200mg 1g  <i>4-Anilinotriphenylamine</i> CAS RN: 19606-98-5	<b>T3456</b> 1g 5g  <i>N,N,N',N'-Tetrakis(4-nitrophenyl)-1,4-phenylenediamine</i> CAS RN: 3283-05-4
<b>T3642</b> 1g 5g  <i>3,6-Bis[N,N-bis(4-methoxy-phenyl)amino]-9H-carbazole</i> CAS RN: 1630723-98-6	<b>T3777</b> 200mg 1g  <i>Tris(4-bromophenyl)amine (purified by sublimation)</i> CAS RN: 4316-58-9	<b>Others</b>		<b>A2789</b> 1g 5g  <i>3-Aminofluoranthene</i> CAS RN: 2693-46-1
<b>A3219</b> 1g 5g  <i>Acridine-3,6-diamine</i> CAS RN: 92-62-6	<b>B3955</b> 1g 5g  <i>9-Bromotriptycene</i> CAS RN: 15364-55-3	<b>B4599</b> 1g 5g  <i>3-Bromofluoranthene</i> CAS RN: 13438-50-1	<b>B4633</b> 5g 25g  <i>1,4-Benzenediboronic Acid Bis(pinacol) Ester</i> CAS RN: 99770-93-1	<b>B4818</b> 1g 5g  <i>1-Bromo-3,5-diethylbenzene</i> CAS RN: 1238156-36-9
<b>B4871</b> 1g 5g  <i>2-(4-Bromophenyl)-imidazo[1,2-a]pyridine</i> CAS RN: 34658-66-7	<b>B5017</b> 1g 5g  <i>2-(4-Bromophenyl)-benzoxazole</i> CAS RN: 3164-13-4	<b>B5222</b> 200mg 1g  <i>3-Bromotetraphenylsilane</i> CAS RN: 185626-73-7	<b>B5374</b> 1g  <i>10-(4-Bromophenyl)phenothiazine (contains 10% 10-(4-iodophenyl)-phenothiazine at maximum)</i> CAS RN: 63524-03-8	<b>B5397</b> 200mg 1g  <i>2-Bromoindolo[3,2-1k]-carbazole</i> CAS RN: 1174032-81-5
<b>B5444</b> 200mg 1g  <i>1-Bromo-3,5-diethynylbenzene</i> CAS RN: 144001-08-1	<b>B5459</b> 1g 5g  <i>(4-Bromophenyl)-diphenylphosphine Oxide</i> CAS RN: 5525-40-6	<b>B5530</b> 200mg 1g  <i>(3-Bromophenyl)-diphenylphosphine Oxide</i> CAS RN: 10212-04-1	<b>B5531</b> 200mg 1g  <i>Bis(3-bromophenyl)-phenylphosphine Oxide</i> CAS RN: 1163698-32-5	<b>B5532</b> 200mg 1g  <i>Bis(4-bromophenyl)-phenylphosphine Oxide</i> CAS RN: 93869-52-4

## Building Blocks for Organic Semiconductor

<b>B5533</b> 200mg 1g  2-Bromo-9,9-dimethyl-9,10-dihydroacridine CAS RN: 1443680-94-1	<b>B5534</b> 200mg 1g  2-Bromo-9,9-dimethyl-10-phenyl-9,10-dihydroacridine CAS RN: 1319720-64-3	<b>B5535</b> 200mg 1g  10-(4-Bromophenyl)-9,9-dimethyl-9,10-dihydroacridine CAS RN: 1342892-15-2	<b>B5536</b> 1g  10-(4-Bromophenyl)-9(10H)-acridone CAS RN: 24275-95-4	<b>B5794</b> 1g  2-Bromo-9,9-dimethyl-9H-xanthene CAS RN: 1565868-91-8
<b>B5967</b> 1g 5g  2'-Bromospiro[fluorene-9,9'-xanthene] CAS RN: 1477458-14-2	<b>B5986</b> 1g 5g  4-Bromo-4'-(4-bromophenyl)-3',5',6'-triphenyl-1,1',2,1''-terphenyl CAS RN: 22932-54-3	<b>B5987</b> 1g 5g  2,5-Bis(4-bromophenyl)-3,4-diphenylcyclopenta-2,4-dienone CAS RN: 54523-24-9	<b>B5993</b> 200mg  N,N'-Bis(2-ethylhexyl)-6,6'-bis(4,4-tetramethyl-1,3,2-dioxaborolan-2-yl)isoindigo CAS RN: 1821433-54-8	<b>B6156</b> 250mg 1g  2-Bromo-9H-thioxanthene-9-one CAS RN: 20077-10-5
<b>B6157</b> 1g  (2,5-Dihexyl-1,4-phenylene)diboronic Acid Bis(pinacol) Ester CAS RN: 374934-77-7	<b>B6193</b> 1g  3-Bromo-9H-xanthen-9-one CAS RN: 500286-36-2	<b>B6283</b> 1g  1H-Benzof[b]indole CAS RN: 268-58-6	<b>B6284</b> 200mg 1g  Biphenylene CAS RN: 259-79-0	<b>C0392</b> 1g 5g  9-Chloroacridine CAS RN: 1207-69-8
<b>C2669</b> 200mg 1g  Cyclopenta[fg]tetracene-1,2-dione CAS RN: 1334510-66-5	<b>C3206</b> 1g 5g  1-Chloro-2,4-bis(hexyloxy)benzene CAS RN: 851228-26-7	<b>C3848</b> 250mg  2-(4-Chlorophenyl)-benzo[d]oxazole CAS RN: 1141-35-1	<b>D1864</b> 10g 25g  1,4-Dibromo-2,5-difluorobenzene CAS RN: 327-51-5	<b>D3743</b> 5g 25g  Pigment Red 255 CAS RN: 54660-00-3
<b>D3890</b> 1g 5g 25g  Dimesitylfluoroborane CAS RN: 436-59-9	<b>D4236</b> 200mg 1g  6,12-Dibromochrysene CAS RN: 131222-99-6	<b>D4255</b> 200mg  4,5-Diazafluoren-9-one CAS RN: 50890-67-0	<b>D4789</b> 1g 5g  1,3-Dibromo-5-hexylbenzene CAS RN: 75894-97-2	<b>D5028</b> 200mg 1g 5g  9,10-Dihydro-9,9-dimethylacridine CAS RN: 6267-02-3
<b>D5156</b> 200mg 1g  3,8-Dimethyl-acenaphthenequinone CAS RN: 146885-81-6	<b>D5211</b> 1g 5g  4,4'-Dibromobenzophenone CAS RN: 3988-03-2	<b>D5222</b> 1g 5g  3,7-Dibromo-10-hexylphenothiazine CAS RN: 312924-93-9	<b>D5257</b> 1g 5g  1,3-Dibromo-5-n-octylbenzene CAS RN: 75894-99-4	<b>D5258</b> 1g 5g  1,3-Dibromo-5-tetradecylbenzene CAS RN: 157761-91-6
<b>D5274</b> 1g 5g  1,3-Dibromo-5-dodecylbenzene CAS RN: 231606-27-2	<b>D5314</b> 200mg 1g  1,4-Diethynyl-2,5-dimethylbenzene CAS RN: 75867-45-7	<b>D5315</b> 200mg 1g  1,4-Diethynyl-2,5-dimethoxybenzene CAS RN: 74029-40-6	<b>D5316</b> 1g 5g  1,4-Dibromo-2,5-bis[2-(trimethylsilyl)ethynyl]benzene CAS RN: 478190-79-3	<b>D5332</b> 200mg 1g  9,9-Diphenyl-9,10-dihydroacridine CAS RN: 20474-15-1
<b>D5338</b> 200mg 1g  3,5-Dibromo-tetraphenylsilane CAS RN: 1030856-97-3	<b>D5354</b> 200mg 1g  9,9-Dimethyl-10-phenyl-9,10-dihydroacridine CAS RN: 717880-39-2	<b>D5528</b> 200mg 1g  2,7-Dibromo-dibenzo[b,e][1,4]dioxin CAS RN: 39073-07-9	<b>D5738</b> 1g 5g  6,6'-Dibromoisoindigo CAS RN: 1147124-21-7	<b>D5742</b> 200mg  6,6'-Dibromo-1,1'-di(n-octyl)isoindigo CAS RN: 1334295-79-2

<b>D5766</b> 6,6'-Dibromo-1,1'-bis(2-ethylhexyl)isoindigo CAS RN: 1147124-23-9	<b>D5815</b> 2-(5,6-Difluoro-3-oxoinden-1-ylidene)propanedinitrile CAS RN: 2083617-82-5	<b>D5839</b> 2,7-Dibromo-9H-thioxanthen-9-one CAS RN: 40102-86-1	<b>D5945</b> (5,6-Dichloro-3-oxo-2,3-dihydro-1H-inden-1-ylidene)malononitrile CAS RN: 2197167-50-1	<b>D6117</b> Dibenzo[a,c]phenazine CAS RN: 215-64-5
<b>D6164</b> 10H-Phenothiazine 5,5-Dioxide CAS RN: 1209-66-1	<b>E1021</b> 4-Ethynyl-N,N-dimethylaniline CAS RN: 17573-94-3	<b>E1310</b> Ethynyl(diphenyl)-phosphine Oxide CAS RN: 6104-48-9	<b>E1549</b> 2-(3-Ethyl-4-oxothiazolidin-2-ylidene)malononitrile CAS RN: 623558-68-9	<b>H1412</b> Hexaphenylbenzene CAS RN: 992-04-1
<b>H1608</b> 10-Hexylphenothiazine CAS RN: 73025-93-1	<b>I1098</b> 6H-Indolo[2,3-b]-quinoxaline CAS RN: 243-59-4	<b>M3068</b> MEEPT CAS RN: 2098786-35-5	<b>M3538</b> Melem CAS RN: 1502-47-2	<b>N0603</b> Tetracenequinone CAS RN: 1090-13-7
<b>P1676</b> Pigment Red 254 CAS RN: 84632-65-5	<b>P1685</b> 6,13-Pentacenedione CAS RN: 3029-32-1	<b>P2282</b> 4-(2-Phenyl-1H-benzimidazol-1-yl)phenylboronic Acid CAS RN: 867044-33-5	<b>P2470</b> 10-Phenylphenothiazine CAS RN: 7152-42-3	<b>P2537</b> 10-Phenyl-9(10H)-acridone CAS RN: 5472-23-1
<b>T0168</b> TPB CAS RN: 1450-63-1	<b>T3281</b> 5-(m-Tolyl)-5H-pyrrolo-[3,2-c:4,5-c']dipyridine CAS RN: 1014403-09-8	<b>T3467</b> 5,10,15,20-Tetrakis-(4-bromophenyl)porphyrin CAS RN: 29162-73-0	<b>T3515</b> 1,3,5-Phenyltriboronic Acid Tris(pinacol) Ester CAS RN: 365564-05-2	<b>T3526</b> 1,3,5-Tris(trimethylsilyl)-benzene CAS RN: 5624-60-2
<b>T3571</b> Tetrakis(3-bromophenyl)-silane CAS RN: 553611-81-7	<b>T3578</b> Tris(3-bromophenyl)-phosphine Oxide CAS RN: 38019-09-9	<b>T4145</b> Heptazine Chloride CAS RN: 6710-92-5		

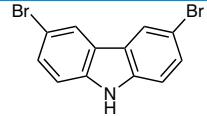
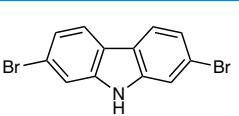
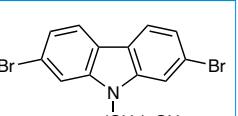
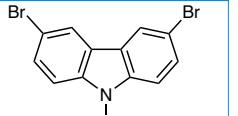
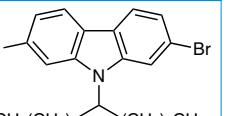
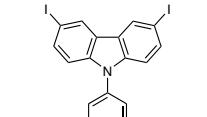
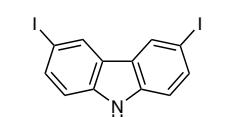
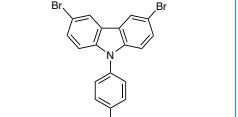
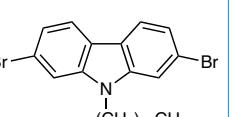
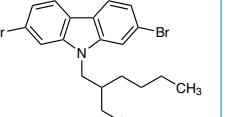
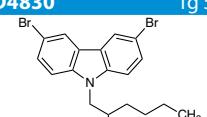
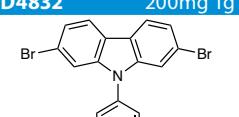
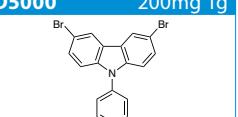
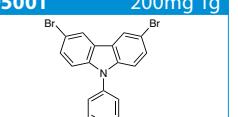
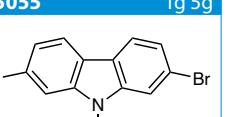
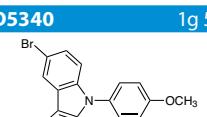
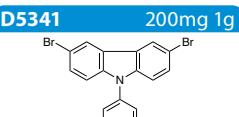
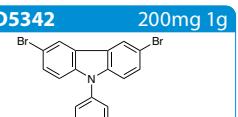
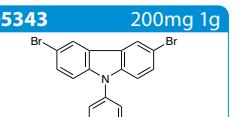
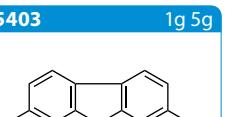
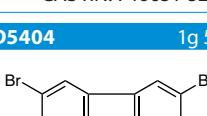
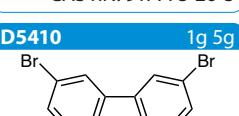
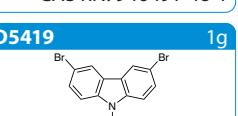
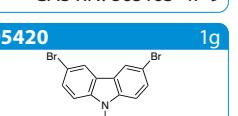
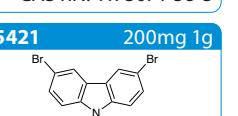
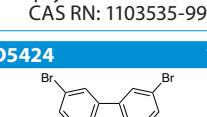
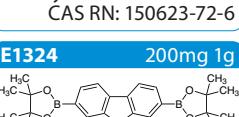
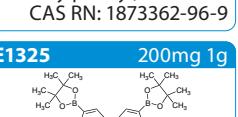
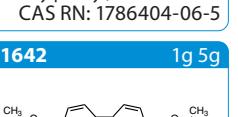
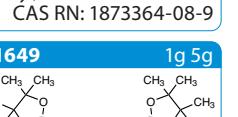
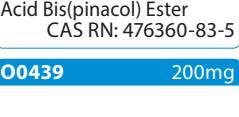
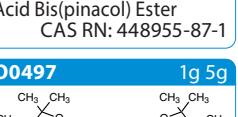
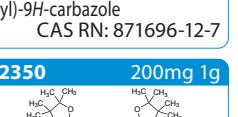
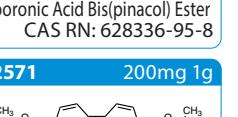
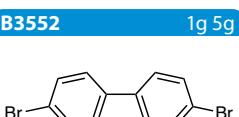
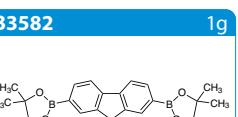
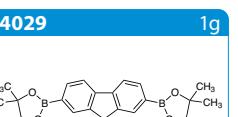
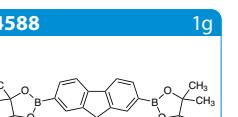
## Polymer / Macromolecule Semiconductor Building Blocks

## Donor Monomers

## Carbazoles

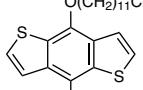
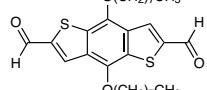
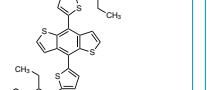
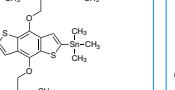
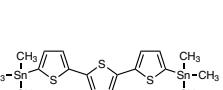
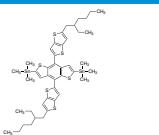
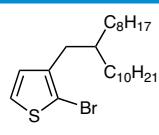
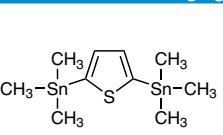
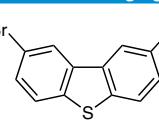
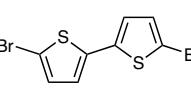
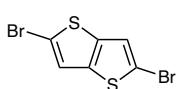
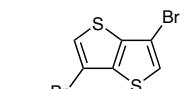
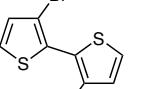
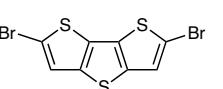
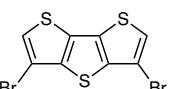
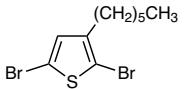
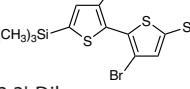
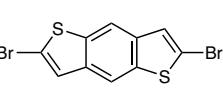
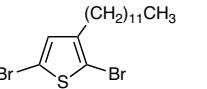
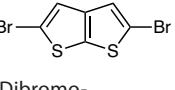
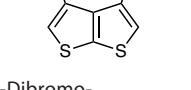
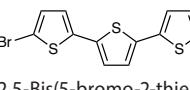
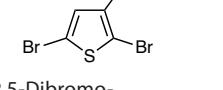
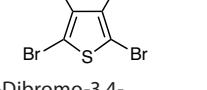
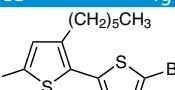
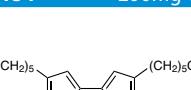
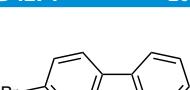
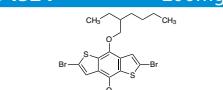
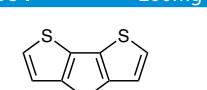
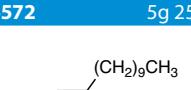
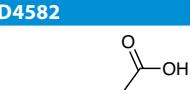
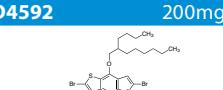
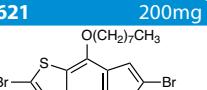
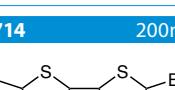
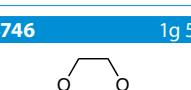
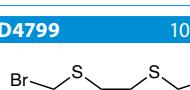
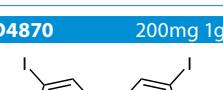
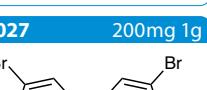
<b>B2805</b> 9-Benzylcarbazole-3,6-dicarboxaldehyde CAS RN: 200698-05-1	<b>B4348</b> 9-Benzyl-3,6-dibromocarbazole CAS RN: 118599-27-2	<b>B5462</b> 9-Benzyl-2,7-dibromo-9H-carbazole CAS RN: 1384281-49-5	<b>D2981</b> 3,6-Dibromo-9-phenylcarbazole CAS RN: 57103-20-5	<b>D2982</b> 3,6-Dibromo-9-ethylcarbazole CAS RN: 33255-13-9
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## Building Blocks for Organic Semiconductor

<b>D2983</b>  1g 5g 25g 3,6-Dibromocarbazole CAS RN: 6825-20-3	<b>D3932</b>  1g 5g 2,7-Dibromocarbazole CAS RN: 136630-39-2	<b>D3935</b>  200mg 2,7-Dibromo-9-n-octylcarbazole CAS RN: 726169-75-1	<b>D4482</b>  200mg 1g 3,6-Dibromo-9-n-octylcarbazole CAS RN: 79554-93-1	<b>D4490</b>  200mg 1g 2,7-Dibromo-9-(9-heptadecyl)carbazole CAS RN: 955964-73-5
<b>D4543</b>  1g 5g 3,6-Diido-9-phenylcarbazole CAS RN: 57103-21-6	<b>D4548</b>  5g 25g 3,6-Diiodocarbazole CAS RN: 57103-02-3	<b>D4563</b>  200mg 1g 3,6-Dibromo-9-(4-bromophenyl)carbazole CAS RN: 73087-83-9	<b>D4661</b>  200mg 2,7-Dibromo-9-dodecylcarbazole CAS RN: 544436-47-7	<b>D4735</b>  200mg 2,7-Dibromo-9-(2-ethylhexyl)carbazole CAS RN: 544436-46-6
<b>D4830</b>  1g 5g 3,6-Dibromo-9-(2-ethylhexyl)carbazole CAS RN: 173063-52-0	<b>D4832</b>  200mg 1g 2,7-Dibromo-9-phenylcarbazole CAS RN: 444796-09-2	<b>D5000</b>  200mg 1g 3,6-Dibromo-9-(4-tert-butylphenyl)-9H-carbazole CAS RN: 741293-42-5	<b>D5001</b>  200mg 1g 3,6-Dibromo-9-(p-tolyl)-9H-carbazole CAS RN: 357437-74-2	<b>D5055</b>  1g 5g 2,7-Dibromo-9-hexylcarbazole CAS RN: 654676-12-7
<b>D5340</b>  1g 5g 3,6-Dibromo-9-(4-methoxy-phenyl)-9H-carbazole CAS RN: 746651-52-5	<b>D5341</b>  200mg 1g 3,6-Dibromo-9-(4-n-octyl-oxyphenyl)-9H-carbazole CAS RN: 917773-26-3	<b>D5342</b>  200mg 1g 3,6-Dibromo-9-[4-(2-ethyl-hexyloxy)phenyl]-9H-carbazole CAS RN: 946491-48-1	<b>D5343</b>  200mg 1g 3,6-Dibromo-9-(4-dodecyl-oxyphenyl)-9H-carbazole CAS RN: 865163-47-9	<b>D5403</b>  1g 5g 2,7-Dibromo-9-heptyl-9H-carbazole CAS RN: 1173071-58-3
<b>D5404</b>  1g 5g 3,6-Dibromo-9-heptyl-9H-carbazole CAS RN: 1103535-99-4	<b>D5410</b>  1g 5g 3,6-Dibromo-9-hexyl-9H-carbazole CAS RN: 150623-72-6	<b>D5419</b>  1g 3,6-Dibromo-9-(2,4-dimethylphenyl)carbazole CAS RN: 1873362-96-9	<b>D5420</b>  1g 3,6-Dibromo-9-(3,4-dimethylphenyl)-9H-carbazole CAS RN: 1786404-06-5	<b>D5421</b>  200mg 1g 3,6-Dibromo-9-(3,5-dimethyl-phenyl)-9H-carbazole CAS RN: 1873364-08-9
<b>D5424</b>  1g 3,6-Dibromo-9-(m-tolyl)-9H-carbazole CAS RN: 890653-54-0	<b>E1324</b>  200mg 1g 9-(2-Ethylhexyl)-9H-carbazole-2,7-diboronic Acid Bis(pinacol) Ester CAS RN: 476360-83-5	<b>E1325</b>  200mg 1g 9-(2-Ethylhexyl)-9H-carbazole-3,6-diboronic Acid Bis(pinacol) Ester CAS RN: 448955-87-1	<b>H1642</b>  1g 5g 9-Hexyl-2,7-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-9H-carbazole CAS RN: 871696-12-7	<b>H1649</b>  1g 5g 9-Hexyl-9H-carbazole-3,6-diboronic Acid Bis(pinacol) Ester CAS RN: 628336-95-8
<b>O0428</b>  200mg 1g 9-(1-n-Octylnonyl)carbazole-2,7-diboronic Acid Bis(pinacol) Ester CAS RN: 958261-51-3	<b>O0439</b>  200mg 9-n-Octyl-9H-carbazole-2,7-diboronic Acid Bis(pinacol) Ester CAS RN: 406726-92-9	<b>O0497</b>  1g 5g 9-n-Octyl-9H-carbazole-3,6-diboronic Acid Bis(pinacol) Ester CAS RN: 478706-06-8	<b>P2350</b>  200mg 1g 9-Phenyl-9H-carbazole-3,6-diboronic Acid Bis(pinacol) Ester CAS RN: 618442-57-2	<b>P2571</b>  200mg 1g 9-Phenyl-2,7-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)-9H-carbazole CAS RN: 1035631-57-2
<b>Fluorenes</b>	<b>B3552</b>  1g 5g 2,7-Dibromo-9,9-bis(6-bromohexyl)fluorene CAS RN: 570414-33-4	<b>B3582</b>  1g 9,9-Dihexylfluorene-2,7-diboronic Acid Bis(pinacol) Ester CAS RN: 196207-58-6	<b>B4029</b>  1g 9,9-Didecylfluorene-2,7-diboronic Acid Bis(pinacol) Ester CAS RN: 254755-24-3	<b>B4588</b>  1g 9,9-Didecylfluorene-2,7-diboronic Acid Bis(pinacol) Ester CAS RN: 711026-06-1

<b>B4892</b> 9,9-Bis(2-ethylhexyl)fluorene-2,7-diboronic Acid Bis(pinacol) Ester CAS RN: 357219-41-1	<b>200mg 1g</b>	<b>B5157</b> 9,9-Dimethylfluorene-2,7-diboronic Acid Bis(pinacol) Ester CAS RN: 325129-69-9	<b>1g 5g</b>	<b>B5580</b> 7-Bromo-9,9-di-n-octyl-9H-fluorene-2-boronic Acid Pinacol Ester CAS RN: 620624-96-6	<b>200mg</b>	<b>B5656</b> (9,9'-Spirobi[9H-fluorene]-2,7-diy)bis(boronic Acid Pinacol Ester) CAS RN: 728911-52-2	<b>1g</b>	<b>D3556</b> 2,7-Dibromofluorene CAS RN: 16433-88-8	<b>5g 25g 100g</b>
<b>D3557</b> 2,7-Dibromo-9-fluorenone CAS RN: 14348-75-5	<b>5g 25g</b>	<b>D3781</b> 2,7-Dibromo-9,9'-spirobi[9H-fluorene] CAS RN: 171408-84-7	<b>1g</b>	<b>D3859</b> 2,7-Dibromo-9,9-dimethylfluorene CAS RN: 28320-32-3	<b>5g 25g</b>	<b>D3933</b> 2,7-Dibromo-9,9-dihexylfluorene CAS RN: 189367-54-2	<b>5g 25g</b>	<b>D3934</b> 2,7-Dibromo-9,9-di-n-octylfluorene CAS RN: 198964-46-4	<b>5g 25g</b>
<b>D4052</b> 2,7-Dibromo-9,9-didodecylfluorene CAS RN: 286438-45-7	<b>5g 25g</b>	<b>D4504</b> 2,7-Diiodofluorene CAS RN: 16218-28-3	<b>1g 5g</b>	<b>D4550</b> 2,7-Dibromo-9,9-bis[3-(dimethylamino)propyl]fluorene CAS RN: 673474-73-2	<b>200mg 1g</b>	<b>D4561</b> 2,7-Dibromo-9,9-didecylfluorene CAS RN: 175922-78-8	<b>5g 25g</b>	<b>D4569</b> 2,7-Dibromo-9,9-dipropylfluorene CAS RN: 157771-56-7	<b>1g 5g</b>
<b>D4671</b> 9,9-Di-n-octylfluorene-2,7-dicarboxaldehyde CAS RN: 380600-91-9	<b>1g</b>	<b>D4701</b> (HO) <sub>2</sub> B-9,9-Dimethyl-9H-fluorene-2,7-diy)bboronic Acid CAS RN: 866100-14-3	<b>1g</b>	<b>D4719</b> 2,7-Diamino-9,9-di-n-octylfluorene CAS RN: 851042-10-9	<b>200mg 1g</b>	<b>D5053</b> 2,7-Dibromo-9,9-difluorofluorene CAS RN: 1229603-71-7	<b>200mg</b>	<b>D5215</b> 2,7-Dibromo-9,9-bis(2-ethylhexyl)fluorene CAS RN: 188200-93-3	<b>5g</b>
<b>D5448</b> 2,7-Dibromo-9-phenyl-9H-fluoren-9-ol CAS RN: 132717-37-4	<b>5g 25g</b>	<b>S0953</b> Spiro[fluorene-9,9'-xanthene]-3',6'-diol CAS RN: 4081-00-9	<b>1g 5g</b>	<b>Thiophenes</b>		<b>B3363</b> 2,2'-Bithiophene-5,5'-diboronic Acid Bis(pinacol) Ester CAS RN: 239075-02-6	<b>5g</b>	<b>B3865</b> 2-Bromo-3-hexyl-5-iodothiophene (stabilized with Copper chip) CAS RN: 160096-76-4	<b>1g 5g</b>
<b>B4102</b> 4,4-Bis(2-ethylhexyl)-4H-cyclopenta[2,1-b:3,4-b']dithiophene CAS RN: 365547-20-2	<b>1g 5g</b>	<b>B4378</b> 4,8-Bis(n-octyloxy)-2,6-bis(trimethylstannyl)-benzo[1,2-b:4,5-b']dithiophene CAS RN: 1098102-95-4	<b>200mg</b>	<b>B4395</b> 4,8-Bis(2-ethylhexyloxy)-benzo[1,2-b:4,5-b']dithiophene CAS RN: 1160823-77-7	<b>200mg 1g 5g</b>	<b>B4437</b> 4,8-Bis[5-(2-ethylhexyl)thiophen-2-yl]-2,6-bis(trimethylstannyl)-benzo[1,2-b:4,5-b']dithiophene CAS RN: 1352642-37-5	<b>200mg</b>	<b>B4488</b> 2,6-Bis(trimethylstannyl)-4,8-bis[(2-n-octyldodecyl)oxy]-benzo[1,2-b:4,5-b']dithiophene CAS RN: 1320201-22-6	<b>200mg</b>
<b>B4536</b> 2,5-Bis(trimethylstannyl)-thieno[3,2-b]thiophene CAS RN: 469912-82-1	<b>200mg 1g</b>	<b>B4584</b> 2-Bromo-5-iodo-3-n-octylthiophene CAS RN: 1085181-82-3	<b>1g</b>	<b>B4585</b> 2-Bromo-3-(2-ethylhexyl)-5-iodothiophene (stabilized with Copper chip) CAS RN: 1034352-30-1	<b>1g 5g</b>	<b>B4586</b> 2-Bromo-3-dodecyl-5-iodothiophene (stabilized with Copper chip) CAS RN: 306769-48-2	<b>1g</b>	<b>B4685</b> 4,8-Bis(2-butyl-n-octyloxy)-2,6-bis(trimethylstannyl)-benzo[1,2-b:4,5-b']dithiophene CAS RN: 1271439-08-7	<b>200mg</b>
<b>B5377</b> trans-1,2-Bis[5-(trimethylstannyl)thiophen-2-yl]ethene CAS RN: 477789-30-3	<b>1g</b>	<b>B5407</b> 2-Bromo-5-dodecylthiophene CAS RN: 153561-74-1	<b>1g 5g</b>	<b>B5408</b> 2-Bromo-3-tetradecylthiophene CAS RN: 500199-09-7	<b>1g 5g</b>	<b>B5409</b> 2-Bromo-3-hexadecylthiophene CAS RN: 827343-08-8	<b>1g</b>	<b>B5410</b> 2-Bromo-3-octadecylthiophene CAS RN: 827343-18-0	<b>1g</b>

## Building Blocks for Organic Semiconductor

<b>B5454</b> 200mg 1g  4,8-Bis(dodecyloxy)benzo[1,2-b:4,5-b']dithiophene CAS RN: 1044795-04-1	<b>B5484</b> 200mg  4,8-Bis(n-octyloxy)benzo[1,2-b:4,5-b']dithiophene-2,6-dicarbaldehyde CAS RN: 1668554-22-0	<b>B5485</b> 200mg  4,8-Bis[5-(2-ethylhexyl)-thiophen-2-yl]benzo[1,2-b:4,5-b']dithiophene CAS RN: 1352642-35-3	<b>B5490</b> 500mg 5g  4,8-Bis[2-ethylhexyl]oxy-2,6-bis(trimethylstannyl)benzo[1,2-b:4,5-b']dithiophene CAS RN: 1160823-78-8	<b>B5690</b> 200mg 1g  5,5'-Bis(trimethylstannyl)-2,2':5',2"-terthiophene CAS RN: 178931-63-0
<b>B5768</b> 200mg  [4,8-Bis[5-(2-ethylhexyl)thieno[3,2-b]thiophen-2-yl]benzo[1,2-b:4,5-b']dithiophene-2,6-diyl]bis(trimethylstannane) CAS RN: 1444200-40-1	<b>B6166</b> 1g  2-Bromo-3-(2-octyldodecyl)thiophene CAS RN: 1268060-77-0	<b>B6395</b> 1g 5g  2,5-Bis(trimethylstannyl)thiophene CAS RN: 86134-26-1	<b>D2245</b> 1g 5g 25g  2,8-Dibromodibenzothiophene CAS RN: 31574-87-5	
<b>D2755</b> 1g 5g  5,5'-Dibromo-2,2'-bithiophene CAS RN: 4805-22-5	<b>D3678</b> 200mg 1g 5g  2,5-Dibromo-thieno[3,2-b]thiophene CAS RN: 25121-87-3	<b>D3679</b> 200mg 1g  3,6-Dibromo-thieno[3,2-b]thiophene CAS RN: 392662-65-6	<b>D3798</b> 1g 5g 25g  3,3'-Dibromo-2,2'-bithiophene CAS RN: 51751-44-1	<b>D3799</b> 200mg 1g  2,6-Dibromodithieno[3,2-b:2',3'-d]thiophene CAS RN: 67061-69-2
<b>D3800</b> 200mg  3,5-Dibromodithieno[3,2-b:2',3'-d]thiophene CAS RN: 502764-54-7	<b>D3896</b> 5g  2,5-Dibromo-3-hexyl-thiophene CAS RN: 116971-11-0	<b>D3941</b> 1g 5g  3,3'-Dibromo-5,5'-bis(trimethylsilyl)-2,2'-bithiophene CAS RN: 207742-50-5	<b>D3954</b> 1g 5g  2,6-Dibromobenzo[1,2-b:4,5-b']dithiophene CAS RN: 909280-97-3	<b>D4031</b> 5g  2,5-Dibromo-3-dodecylthiophene CAS RN: 148256-63-7
<b>D4032</b> 1g  2,5-Dibromo-thieno[2,3-b]thiophene CAS RN: 25121-86-2	<b>D4033</b> 1g  3,4-Dibromo-thieno[2,3-b]thiophene CAS RN: 53255-78-0	<b>D4050</b> 1g 5g  2,5-Bis(5-bromo-2-thienyl)thiophene CAS RN: 98057-08-0	<b>D4053</b> 5g  2,5-Dibromo-3-n-octylthiophene CAS RN: 149703-84-4	<b>D4056</b> 1g 5g  2,5-Dibromo-3,4-ethylenedioxythiophene CAS RN: 174508-31-7
<b>D4183</b> 1g 5g  5,5'-Dibromo-3,3'-dihexyl-2,2'-bithiophene CAS RN: 170702-05-3	<b>D4184</b> 200mg 1g  5,5'-Dibromo-4,4'-dihexyl-2,2'-bithiophene CAS RN: 214493-03-5	<b>D4274</b> 200mg  3,7-Dibromo-dibenzo[b,d]thiophene CAS RN: 83834-10-0	<b>D4524</b> 200mg  2,6-Dibromo-4,8-bis(2-ethylhexyloxy)benzo[1,2-b:4,5-b']dithiophene CAS RN: 1226782-13-3	<b>D4564</b> 200mg  4,4-Di-n-octylidithieno[3,2-b:2',3'-d]silole CAS RN: 1160106-12-6
<b>D4568</b> 200mg  2,6-Dibromo-4,4-bis(2-ethylhexyl)-4H-cyclopenta[2,1-b:3,4-b']dithiophene CAS RN: 365547-21-3	<b>D4572</b> 5g 25g  2,5-Dibromo-3-decylthiophene CAS RN: 158956-23-1	<b>D4582</b> 1g  2,5-Dibromo-3-thenoic Acid CAS RN: 7311-70-8	<b>D4592</b> 200mg  2,6-Dibromo-4,8-bis[2-butyl-n-octyl]oxybenzo[1,2-b:4,5-b']dithiophene CAS RN: 1336893-15-2	<b>D4621</b> 200mg  2,6-Dibromo-4,8-bis(n-octyloxy)benzo[1,2-b:4,5-b']dithiophene CAS RN: 1294515-75-5
<b>D4714</b> 200mg  2,6-Dibromo-4-n-octylidithieno[3,2-b:2',3'-d]pyrrole CAS RN: 1346688-54-7	<b>D4746</b> 1g 5g  2,5-Dichloro-3,4-ethylenedioxothiophene CAS RN: 225518-49-0	<b>D4799</b> 100mg  2,6-Dibromo-4,4-di-n-octylidithieno[3,2-b:2',3'-d]silole CAS RN: 1160106-14-8	<b>D4870</b> 200mg 1g  2,8-Diiododibenzothiophene CAS RN: 105404-91-9	<b>D5027</b> 200mg 1g  2,8-Dibromo-dibenzosulfolane CAS RN: 40307-15-1

<b>D5240</b>	1mL 5mL	<b>D5241</b>	1g 5g	<b>D5242</b>	1g 5g	<b>D5243</b>	1g	<b>D5247</b>	1g
2-Decylthiophene CAS RN: 24769-39-9		2,5-Dibromo-3-tetradecylthiophene CAS RN: 160096-74-2		2,5-Dibromo-3-hexadecylthiophene CAS RN: 178452-13-6		2,5-Dibromo-3-octadecylthiophene CAS RN: 205235-01-4		2,5-Dibromo-3-cyclohexylthiophene CAS RN: 302912-44-3	
<b>D5423</b>	200mg 1g	<b>D5436</b>	100mg	<b>D5447</b>	200mg 1g	<b>D5492</b>	200mg	<b>D5729</b>	1g 5g
3,4-(2,2'-Dimethyl-propylenedioxy)thiophene CAS RN: 255901-50-9		5,5'-Bis(trimethylstannyl)-3,3'-difluoro-2,2'-bithiophene CAS RN: 1619967-09-7		EDT-methanol CAS RN: 146796-02-3		DH-4T CAS RN: 132814-91-6		2,5-Dibromo-3-fluorothiophene CAS RN: 32431-85-9	
<b>E0741</b>	5g 25g	<b>E0743</b>	1g 5g	<b>O0566</b>	1g	<b>P2383</b>	100mg	<b>Acceptors</b>	
EDOT CAS RN: 126213-50-1		3,4-Ethylenedioxythiophene-2,5-dicarboxylic Acid CAS RN: 18361-03-0		3-(2-Octyldodecyl)-thiophene CAS RN: 1268060-76-9		Phenanthro[1,2-b:8,7-b']-dithiophene CAS RN: 1491133-64-2			
<b>B3573</b>	1g 5g	<b>B5470</b>	100mg	<b>B5774</b>	100mg	<b>D3842</b>	1g 5g 25g		
2,1,3-Benzothiadiazole-4,7-diboronic Acid Bis(pinacol) Ester CAS RN: 934365-16-9		Bpin2-NTz CAS RN: 1467776-41-5		Bpin2-NOz		4,7-Dibromo-2,1,3-benzothiadiazole CAS RN: 15155-41-6			
<b>D3944</b>	1g	<b>D4529</b>	200mg	<b>D4622</b>	200mg	<b>D4734</b>	200mg	<b>D4750</b>	200mg 1g
4,7-Dibromo-2,1,3-benzoselenadiazole CAS RN: 63224-42-0		4,7-Dibromo-5,6-di-n-octyloxy-2,1,3-benzothiadiazole CAS RN: 1192352-08-1		4,7-Dibromo-5,6-bis(dodecyloxy)-2,1,3-benzothiadiazole CAS RN: 1313876-00-4		4,7-Dibromo-5,6-difluoro-2,1,3-benzothiadiazole CAS RN: 1295502-53-2		4,7-Dibromo-5-fluoro-2,1,3-benzothiadiazole CAS RN: 1347736-74-6	
<b>D4985</b>	1g 5g	<b>D5246</b>	1g	<b>D5288</b>	100mg	<b>D5496</b>	100mg	<b>N1105</b>	200mg
4,7-Dibromo-5,6-dinitro-2,1,3-benzothiadiazole CAS RN: 76186-72-6		5,6-Difluoro-2,1,3-benzothiadiazole CAS RN: 1293389-28-2		Br2-NTz CAS RN: 133546-50-6		Br2-NOz CAS RN: 1437229-17-8		NTz CAS RN: 133546-47-1	
<b>N1137</b>	200mg	<b>Other Acceptor Monomers</b>		<b>B5070</b>	1g 5g	<b>B5087</b>	200mg 1g	<b>B5993</b>	200mg
N1137 CAS RN: 1394221-73-8				1,3-Benzenediboronic Acid Bis(pinacol) Ester CAS RN: 196212-27-8		Bis(4-bromophenyl)diphenylsilane CAS RN: 18733-91-0		N,N'-Bis(2-ethylhexyl)-6,6'-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)isoindigo CAS RN: 1821433-54-8	
<b>B5994</b>	200mg	<b>D3209</b>	200mg 1g	<b>D3871</b>	1g 5g	<b>D4254</b>	1g 5g	<b>D4339</b>	1g 5g
N,N'-Bis(2-octyldodecyl)-6,6'-bis(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)isoindigo CAS RN: 1563062-80-5		3,8-Dibromo-1,10-phenanthroline CAS RN: 100125-12-0		1,7-Dibromo-3,4,9,10-perylene-tetracarboxylic Dianhydride CAS RN: 118129-60-5		10,10'-Dibromo-9,9'-bianthracene CAS RN: 121848-75-7		2,6-Dibromonaphthalene-1,4,5,8-tetracarboxylic Dianhydride CAS RN: 83204-68-6	

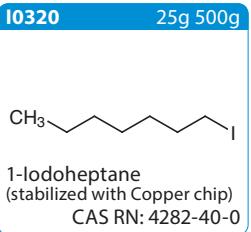
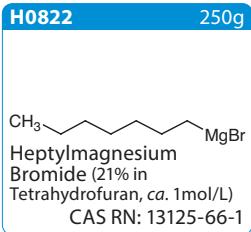
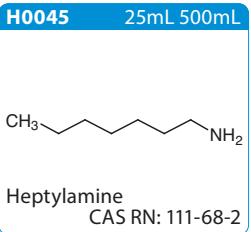
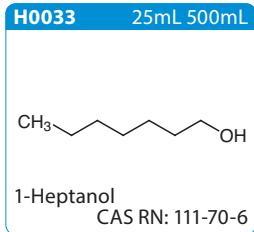
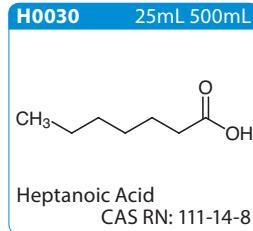
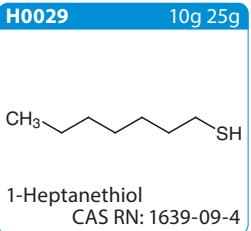
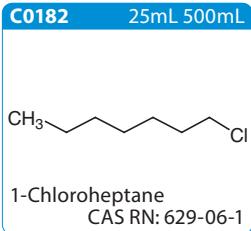
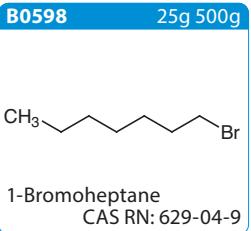
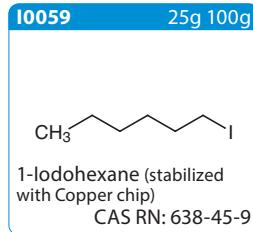
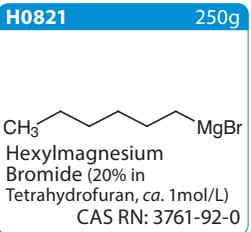
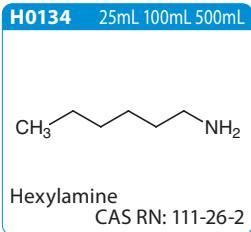
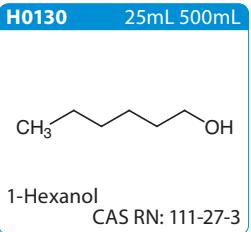
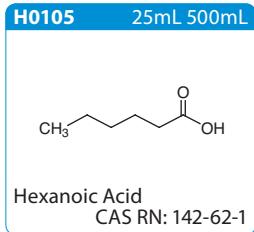
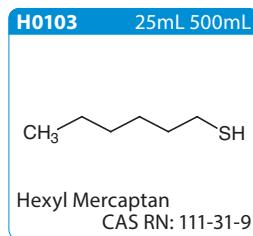
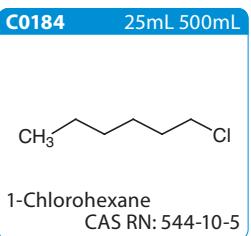
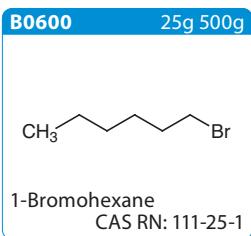
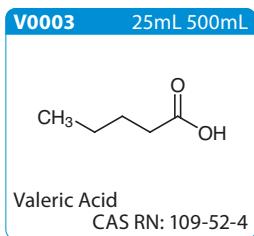
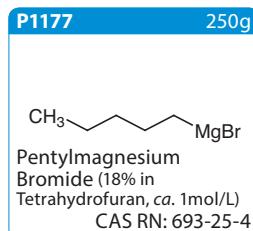
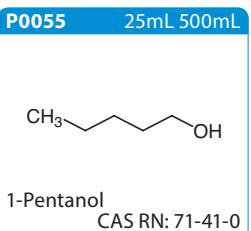
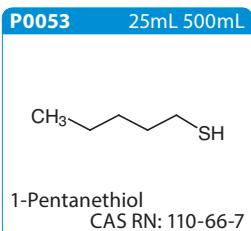
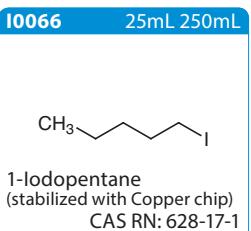
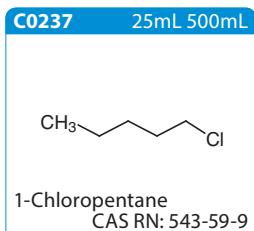
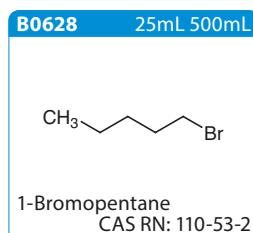
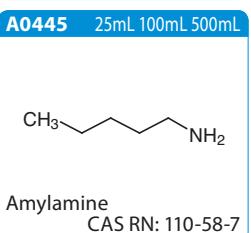
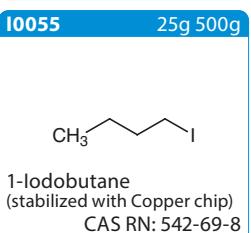
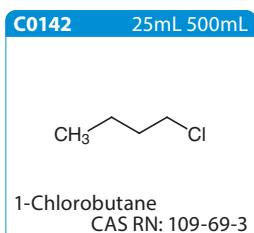
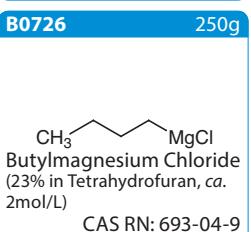
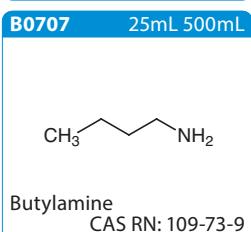
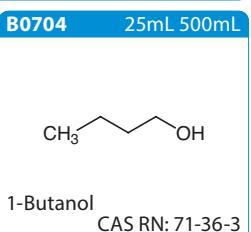
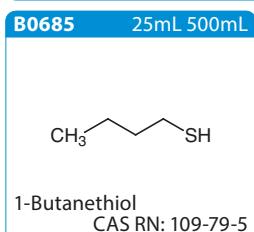
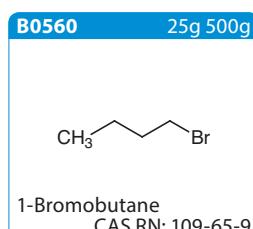
## Building Blocks for Organic Semiconductor

<b>D4376</b> 1g  2,5-Dibromothiophene 1,1-Dioxide CAS RN: 89088-95-9	<b>D4442</b> 200mg 1g  4,7-Dibromo[1,2,5]-thiadiazolo[3,4-c]pyridine CAS RN: 333432-27-2	<b>D4461</b> 200mg  5,8-Dibromo-2,3-diphenylquinoxaline CAS RN: 94544-77-1	<b>D4514</b> 200mg  4,7-Dibromo-2-(6-bromohexyl)benzotriazole CAS RN: 890704-02-6	<b>D4558</b> 200mg  5,5'-Dibromo-4,4'-dinonyl-2,2'-bitiazole CAS RN: 172100-44-6
<b>D4605</b> 200mg  4,4'-Dibromo-2,2'-bis(triisopropylsilyl)-5,5'-bitiazole CAS RN: 1223559-98-5	<b>D4653</b> 200mg  5,8-Dibromo-2,3-bis(4-methoxyphenyl)quinoxaline CAS RN: 162967-90-0	<b>D4724</b> 200mg 1g  3,6-Dibromophthalic Anhydride CAS RN: 25834-16-6	<b>D4945</b> 1g 5g  2,6-Dibromo-N,N'-bis(2-ethylhexyl)-1,8:4,5-naphthalene-tetracarboxidiimide CAS RN: 1088205-02-0	<b>D4946</b> 1g 5g  2,6-Dibromo-N,N'-di-n-octyl-1,8:4,5-naphthalene-tetracarboxidiimide CAS RN: 926643-78-9
<b>D5052</b> 200mg  3,7-Dibromo-dibenzosulfolane CAS RN: 83834-12-2	<b>D5386</b> 200mg  6,6'-Dibromodi-(2-octyldodecyl)isoindigo CAS RN: 1263379-85-6	<b>D5738</b> 1g 5g  6,6'-Dibromoisoindigo CAS RN: 1147124-21-7	<b>D5740</b> 200mg  6,6'-Dibromo-1,1'-bis(2-decytetradecyl)isoindigo CAS RN: 1801592-76-6	<b>D5742</b> 200mg  6,6'-Dibromo-1,1'-di(n-octyl)isoindigo CAS RN: 1334295-79-2
<b>D5766</b> 200mg 1g  6,6'-Dibromo-1,1'-bis(2-ethylhexyl)isoindigo CAS RN: 1147124-23-9	<b>O0430</b> 200mg 1g  2-n-Octylbenzotriazole CAS RN: 112642-69-0	<b>T4113</b> 1g 5g  2-(3,5,5-Trimethylcyclohex-2-en-1-ylidene)-malononitrile CAS RN: 23051-44-7	<b>Thiophenes</b>	
<b>D4972</b> 1g 5g  Dithieno[3,2-c;2',3'-e]-oxepine-4,6-dione CAS RN: 1043023-52-4	<b>D5021</b> 200mg 1g  2,5-Dibromo-N-(2-ethylhexyl)-3,4-thiophenedicarboximide CAS RN: 1231160-83-0	<b>E1040</b> 100mg  2-Ethylhexyl 4,6-Dibromo-3-fluorothieno[3,4-b]-thiophene-2-carboxylate CAS RN: 1237479-38-7	<b>O0394</b> 200mg 1g  N-n-Octyl-3,4-thiophenedicarboximide CAS RN: 773881-43-9	<b>O0436</b> 100mg  n-Octyl 4,6-Dibromo-3-fluorothieno[3,4-b]-thiophene-2-carboxylate CAS RN: 1160823-76-6
<b>Donor-Acceptor (DA) Type Monomers</b>		<b>B3886</b> 100mg 1g  4,7-Bis(5-bromo-2-thienyl)-2,1,3-benzothiadiazole CAS RN: 288071-87-4	<b>B4453</b> 200mg  4,7-Bis(5-trimethylstannylyl-2-thienyl)-2,1,3-benzothiadiazole CAS RN: 1025451-57-3	<b>B4542</b> 100mg  4,7-Bis(5-bromo-2-thienyl)-2-n-octyl-2H-benzotriazole CAS RN: 1254062-41-3
<b>B4684</b> 200mg  4,7-Bis(5-bromo-4-n-octyl-2-thienyl)-2,1,3-benzothiadiazole CAS RN: 457931-23-6	<b>B4719</b> 200mg  4,7-Bis(5-bromo-4-dodecyl-2-thienyl)-2,1,3-benzothiadiazole CAS RN: 1179993-72-6	<b>B5486</b> 200mg  2,5-Bis(2-octyldodecyl)-3,6-bis[5-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)thiophen-2-yl]pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione CAS RN: 1351986-34-9	<b>B5753</b> 200mg  4,7-Bis(5-bromothiophen-2-yl)-5,6-bis(n-octyloxy)-2,1,3-benzothiadiazole CAS RN: 1192352-10-5	
<b>B5996</b> 200mg  2,5-Bis(2-decytetradecyl)-3,6-bis[5-(4,4,5,5-tetramethyl-1,3,2-dioxaborolan-2-yl)thiophen-2-yl]pyrrolo[3,4-c]pyrrole-1,4(2H,5H)-dione CAS RN: 1412448-63-5	<b>D3969</b> 1g 5g  3,6-Di(2-thienyl)-2,5-dihydropyrrolo[3,4-c]pyrrole-1,4-dione CAS RN: 850583-75-4	<b>D4487</b> 200mg 1g  4,7-Di(2-thienyl)-2,1,3-benzothiadiazole CAS RN: 165190-76-1		

## Solubility Enhancing Reagents

### Linear Alkyl Sources

### C4 Alkyl Groups

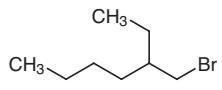
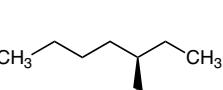
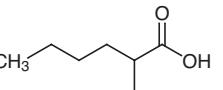
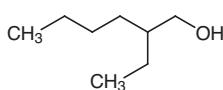
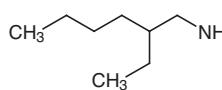
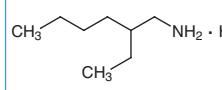
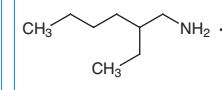
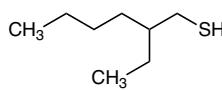
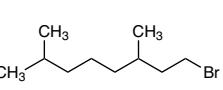
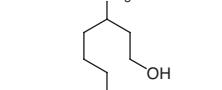
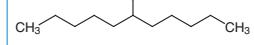


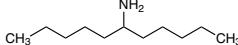
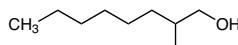
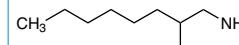
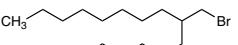
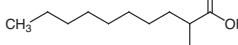
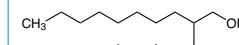
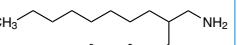
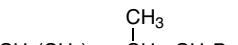
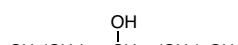
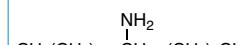
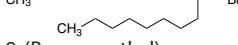
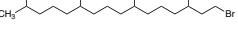
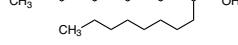
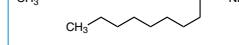
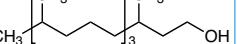
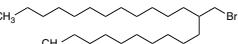
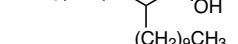
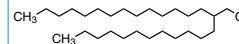
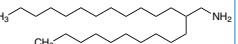
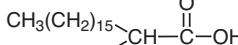
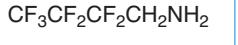
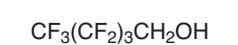
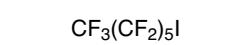
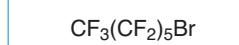
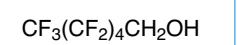
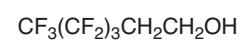
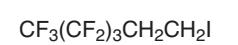
## Building Blocks for Organic Semiconductor

<b>B0626</b> 25mL 500mL <chem>CCCCCCCCBr</chem> 1-Bromoocetane CAS RN: 111-83-1	<b>C0236</b> 25mL 500mL <chem>CCCCCCCCCl</chem> 1-Chlorooctane CAS RN: 111-85-3	<b>I0321</b> 25g 100g 500g <chem>CCCCCCCCCI</chem> 1-Iodooctane (stabilized with Copper chip) CAS RN: 629-27-6	<b>O0025</b> 25mL 500mL <chem>CCCCCCCCSH</chem> 1-Octanethiol CAS RN: 111-88-6	<b>O0027</b> 25mL 500mL <chem>CCCCCCCCC(=O)O</chem> n-Octanoic Acid CAS RN: 124-07-2	
<b>O0036</b> 25mL 500mL <chem>CCCCCCCCCOH</chem> 1-Octanol CAS RN: 111-87-5	<b>O0045</b> 25mL 500mL <chem>CCCCCCCCN</chem> n-Octylamine CAS RN: 111-86-4	<b>O0240</b> 250g <chem>CCCCCCCCMgBr</chem> n-Octylmagnesium Bromide (ca. 22% in Tetrahydrofuran, ca. 1mol/L) CAS RN: 17049-49-9	<b>C9 Alkyl Groups</b>		
<b>C0233</b> 25mL 500mL <chem>CCCCCCCCCl</chem> 1-Chlorononane CAS RN: 2473-01-0	<b>I0493</b> 25g <chem>CCCCCCl</chem> 1-Iodononane (stabilized with Copper chip) CAS RN: 4282-42-2	<b>N0292</b> 25mL 500mL <chem>CCCCCCCCCOH</chem> 1-Nonanol CAS RN: 143-08-8	<b>N0297</b> 5mL 25mL <chem>CCCCCCCCNH2</chem> Nonylamine CAS RN: 112-20-9	<b>P0952</b> 25mL 100mL 500mL <chem>CCCCCCCCC(=O)O</chem> Nonanoic Acid CAS RN: 112-05-0	
<b>C10 Alkyl Groups</b>		<b>B0583</b> 25mL 500mL <chem>CCCCCCCCBr</chem> 1-Bromodecane CAS RN: 112-29-8	<b>C0600</b> 25mL 500mL <chem>CCCCCCCCCl</chem> 1-Chlorodecane CAS RN: 1002-69-3	<b>D0016</b> 25mL 100mL 500mL <chem>CCCCCCCCSH</chem> 1-Decanethiol CAS RN: 143-10-2	
<b>D0031</b> 25mL 500mL <chem>CCCCCCCCCOH</chem> 1-Decanol CAS RN: 112-30-1	<b>D0033</b> 25mL 100mL 500mL <chem>CCCCCCCCNH2</chem> 1-Aminodecane CAS RN: 2016-57-1	<b>I0494</b> 25g 250g <chem>CCCCCCl</chem> 1-Iododecane (stabilized with Copper chip) CAS RN: 2050-77-3	<b>C11 Alkyl Groups</b>		
<b>B0934</b> 25mL 500mL <chem>CCCCCCCCBr</chem> 1-Bromoundecane CAS RN: 693-67-4	<b>C0599</b> 25g <chem>CCCCCCCCCl</chem> 1-Chloroundecane CAS RN: 2473-03-2	<b>U0004</b> 25g 250g <chem>CCCCCCCCC(=O)O</chem> Undecanoic Acid CAS RN: 112-37-8	<b>U0005</b> 25mL 100mL 500mL <chem>CCCCCCCCCOH</chem> 1-Undecanol CAS RN: 112-42-5	<b>A0761</b> 10mL <chem>CCCCCCCCNH2</chem> Undecylamine CAS RN: 7307-55-3	
<b>C12 Alkyl Groups</b>		<b>B0587</b> 25mL 500mL <chem>CCCCCCl</chem> 1-Bromododecane CAS RN: 143-15-7	<b>C0163</b> 25mL 500mL <chem>CCCCCCCCCl</chem> 1-Chlorododecane CAS RN: 112-52-7	<b>D0970</b> 25mL 500mL <chem>CCCCCCCCSH</chem> 1-Dodecanethiol CAS RN: 112-55-0	
<b>D0980</b> 25g 400g <chem>CCCCCCl</chem> Dodecylamine CAS RN: 124-22-1	<b>D1452</b> 25g 100g 500g <chem>CCCCCCl</chem> Dodecylamine Hydrochloride CAS RN: 929-73-7	<b>I0511</b> 25g <chem>CCCCCCl</chem> 1-Iodododecane (stabilized with Copper chip) CAS RN: 4292-19-7	<b>L0011</b> 25g 500g <chem>CCCCCCCCC(=O)O</chem> Lauric Acid CAS RN: 143-07-7	<b>C13 Alkyl Groups</b>	

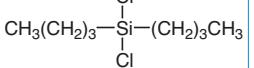
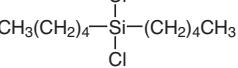
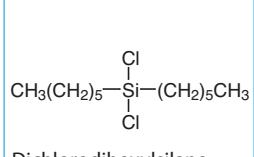
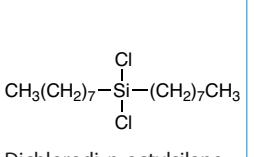
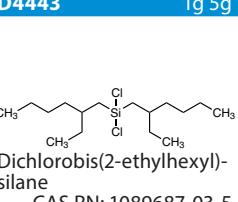
<b>A0762</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>12</sub> NH <sub>2</sub> 1-Aminotridecane CAS RN: 2869-34-3	<b>B0935</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>12</sub> Br 1-Bromotridecane CAS RN: 765-09-3	<b>C2213</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>12</sub> Cl 1-Chlorotridecane CAS RN: 822-13-9	<b>T0412</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>11</sub> —C(=O)OH Tridecanoic Acid CAS RN: 638-53-9	<b>T0803</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>12</sub> OH 1-Tridecanol CAS RN: 112-70-9
<b>C14 Alkyl Groups</b>	<b>B0233</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>13</sub> Br 1-Bromotetradecane CAS RN: 112-71-0	<b>C0622</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>13</sub> Cl 1-Chlorotetradecane CAS RN: 2425-54-9	<b>M0476</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>12</sub> —C(=O)OH Myristic Acid CAS RN: 544-63-8	<b>T0082</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>13</sub> SH 1-Tetradecanethiol CAS RN: 2079-95-0
<b>T0084</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>13</sub> OH 1-Tetradecanol CAS RN: 112-72-1	<b>T0090</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>13</sub> NH <sub>2</sub> Tetradecylamine CAS RN: 2016-42-4	<b>C15 Alkyl Groups</b>	<b>A0763</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>14</sub> NH <sub>2</sub> 1-Aminopentadecane CAS RN: 2570-26-5	<b>B0936</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>14</sub> Br 1-Bromopentadecane CAS RN: 629-72-1
<b>P0035</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>13</sub> —C(=O)OH Pentadecanoic Acid CAS RN: 1002-84-2	<b>P0036</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>14</sub> OH 1-Pentadecanol CAS RN: 629-76-5	<b>P0836</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>14</sub> SH 1-Pentadecanethiol CAS RN: 25276-70-4	<b>P1251</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>14</sub> MgBr Pentadecylmagnesium Bromide ( <i>ca.</i> 15% in Tetrahydrofuran, <i>ca.</i> 0.4mol/L) CAS RN: 78887-70-4	<b>C16 Alkyl Groups</b>
<b>B0599</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>15</sub> Br Cetyl Bromide CAS RN: 112-82-3	<b>C0183</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>15</sub> Cl 1-Chlorohexadecane CAS RN: 4860-03-1	<b>H0068</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>15</sub> SH 1-Cetanethiol CAS RN: 2917-26-2	<b>H0071</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>15</sub> OH Cetanol CAS RN: 36653-82-4	<b>H0074</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>15</sub> NH <sub>2</sub> Cetylamine CAS RN: 143-27-1
<b>I0408</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>15</sub> I 1-Iodohexadecane CAS RN: 544-77-4	<b>P0002</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>14</sub> —C(=O)OH Palmitic Acid CAS RN: 57-10-3	<b>P1145</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>14</sub> —C(=O)OH Palmitic Acid CAS RN: 57-10-3	<b>C17 Alkyl Groups</b>	<b>A0764</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>16</sub> NH <sub>2</sub> Heptadecylamine CAS RN: 4200-95-7
<b>B0937</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>16</sub> Br Heptadecyl Bromide CAS RN: 3508-00-7	<b>H0018</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>16</sub> OH 1-Heptadecanol CAS RN: 1454-85-9	<b>H0019</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>15</sub> —C(=O)OH Margaric Acid CAS RN: 506-12-7	<b>C18 Alkyl Groups</b>	<b>B0625</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>17</sub> Br Stearyl Bromide CAS RN: 112-89-0
<b>C0235</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>17</sub> Cl 1-Chlorooctadecane CAS RN: 3386-33-2	<b>I0065</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>17</sub> I 1-Iodoctadecane CAS RN: 629-93-6	<b>O0005</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>17</sub> SH Stearyl Mercaptan CAS RN: 2885-00-9	<b>O0006</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>17</sub> OH Stearyl Alcohol CAS RN: 112-92-5	<b>O0014</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>17</sub> NH <sub>2</sub> Stearylamine CAS RN: 124-30-1

## Building Blocks for Organic Semiconductor

<b>00099</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>17</sub> NH <sub>2</sub> · HCl Stearylamine Hydrochloride CAS RN: 1838-08-0	<b>S0163</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>16</sub> -C(=O)-OH Stearic Acid CAS RN: 57-11-4	<b>≥C19 Alkyl Groups</b>				
<b>B1747</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>20</sub> -C(=O)-OH Behenic Acid CAS RN: 112-85-6	<b>C0829</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>24</sub> -C(=O)-OH Cerotic Acid CAS RN: 506-46-7	<b>D0963</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>20</sub> -C(=O)-OH Behenic Acid CAS RN: 112-85-6	<b>D0964</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>21</sub> OH 1-Docosanol CAS RN: 661-19-8	<b>D3905</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>21</sub> SH 1-Docosanethiol CAS RN: 7773-83-3		
<b>E0004</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>19</sub> OH 1-Eicosanol CAS RN: 629-96-9	<b>E0006</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>18</sub> -C(=O)-OH Arachidic Acid CAS RN: 506-30-9	<b>E0832</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>19</sub> SH 1-Eicosanethiol CAS RN: 13373-97-2	<b>H0010</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>19</sub> -C(=O)-OH Heneicosanoic Acid CAS RN: 2363-71-5	<b>H0011</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>20</sub> OH 1-Heneicosanol CAS RN: 15594-90-8		
<b>H0342</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>25</sub> OH 1-Hexacosanol CAS RN: 506-52-5	<b>H0971</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>25</sub> -C(=O)-OH Heptacosanoic Acid CAS RN: 7138-40-1	<b>M0595</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>28</sub> -C(=O)-OH Melissic Acid CAS RN: 506-50-3	<b>M1342</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>26</sub> -C(=O)-OH Octacosanoic Acid CAS RN: 506-48-9	<b>N0662</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>27</sub> -C(=O)-OH Nonacosanoic Acid CAS RN: 4250-38-8		
<b>00199</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>27</sub> OH 1-Octacosanol CAS RN: 557-61-9	<b>P0882</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>23</sub> -C(=O)-OH Pentacosanoic Acid CAS RN: 506-38-7	<b>T0076</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>22</sub> -C(=O)-OH Lignoceric Acid CAS RN: 557-59-5	<b>T0402</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>21</sub> -C(=O)-OH Tricosanoic Acid CAS RN: 2433-96-7	<b>T0403</b> CH <sub>3</sub> (CH <sub>2</sub> ) <sub>22</sub> OH 1-Tricosanol CAS RN: 3133-01-5		
<b>Branched Alkyl Sources</b>		<b>C8 Alkyl Groups</b>		<b>B0596</b>  Octyl Bromide CAS RN: 18908-66-2	<b>B5808</b>  (R)-3-(Bromomethyl)-heptane CAS RN: 1379440-97-7	<b>E0120</b>  Octanoic Acid CAS RN: 149-57-5
<b>E0122</b>  Octanol CAS RN: 104-76-7	<b>E0126</b>  Octylamine CAS RN: 104-75-6	<b>E0127</b>  Octylamine Hydrobromide CAS RN: 88358-65-0	<b>E0128</b>  Octylamine Hydrochloride CAS RN: 26392-49-4	<b>E1031</b>  2-Ethyl-1-hexanethiol CAS RN: 7341-17-5		
<b>C10 Alkyl Groups</b>		<b>B4401</b>  1-Bromo-3,7-dimethyloctane CAS RN: 3383-83-3	<b>D1442</b>  3,7-Dimethyl-1-octanol CAS RN: 106-21-8	<b>C11 Alkyl Groups</b>		<b>U0040</b>  6-Undecanol CAS RN: 23708-56-7

<b>U0094</b>  6-Undecanamine CAS RN: 33788-00-0	<b>1mL 5mL</b>	<b>C12 Alkyl Groups</b>	<b>B3457</b>  2-Butyl-1-n-octanol CAS RN: 3913-02-8	<b>25mL 100mL 500mL</b>	<b>B5550</b>  2-Butyl-n-octan-1-amine CAS RN: 217655-07-7	<b>1mL 5mL</b>	<b>B5721</b>  5-(Bromomethyl)-undecane CAS RN: 85531-02-8	<b>5g 25g</b>
<b>C16 Alkyl Groups</b>	<b>B4544</b>  7-(Bromomethyl)-pentadecane CAS RN: 52997-43-0	<b>5mL 25mL</b>	<b>H0507</b>  2-Hexyldecanoic Acid CAS RN: 25354-97-6	<b>25mL 100mL 500mL</b>	<b>H1461</b>  2-Hexyl-1-deanol CAS RN: 2425-77-6	<b>25mL 100mL 500mL</b>	<b>H1634</b>  2-Hexyldecan-1-amine CAS RN: 62281-05-4	<b>1mL 5mL</b>
<b>C17 Alkyl Groups</b>	<b>B1456</b>  1-Bromo-2-methylhexadecane CAS RN: 81367-59-1	<b>1g</b>	<b>H1401</b>  9-Heptadecanol CAS RN: 624-08-8	<b>1g</b>	<b>H1640</b>  Heptadecan-9-amine CAS RN: 3241-20-1	<b>1mL 5mL</b>	<b>C20 Alkyl Groups</b>	
<b>B5188</b>  9-(Bromomethyl)-nonadecane CAS RN: 69620-20-8	<b>5mL 25mL</b>	<b>B6206</b>  Phytanyl Bromide CAS RN: 2791-57-3	<b>1g 5g</b>	<b>O0429</b>  2-n-Octyl-1-dodecanol CAS RN: 5333-42-6	<b>25mL 500mL</b>	<b>O0435</b>  2-n-Octyl-1-dodecylamine CAS RN: 62281-06-5	<b>1g</b>	<b>P1750</b>  3,7,11,15-Tetramethyl-hexadecan-1-ol CAS RN: 645-72-7
<b>≥C23 Alkyl Groups</b>	<b>B5691</b>  11-(Bromomethyl)-tricosane CAS RN: 732276-63-0	<b>5mL 25mL</b>	<b>D5283</b>  2-Decyl-1-tetradecanol CAS RN: 58670-89-6	<b>25mL 500mL</b>	<b>D5322</b>  2-Dodecylhexadecan-1-ol CAS RN: 72388-18-2	<b>25g 250g</b>	<b>D5359</b>  2-Decyltetradecan-1-amine CAS RN: 62281-07-6	<b>1mL 5mL</b>
<b>H0837</b>  2-Hexadecyloctadecanoic Acid CAS RN: 89547-15-9	<b>1g</b>	<b>Fluorinated Alkyl Sources</b>	<b>O0114</b>  CHF <sub>2</sub> (CF <sub>2</sub> ) <sub>3</sub> CH <sub>2</sub> OH 2,2,3,3,4,4,5,5-Octafluoro-1-pentanol CAS RN: 355-80-6	<b>25g 100g 500g</b>	<b>H0548</b>  CF <sub>3</sub> CF <sub>2</sub> CF <sub>2</sub> CH <sub>2</sub> OH 1H,1H-Heptafluoro-1-butanol CAS RN: 375-01-9	<b>5g 25g</b>	<b>H1300</b>  CF <sub>3</sub> CF <sub>2</sub> CF <sub>2</sub> CH <sub>2</sub> NH <sub>2</sub> 1H,1H-Heptafluoro-butylamine CAS RN: 374-99-2	<b>1g 5g</b>
<b>C5 Alkyl Groups</b>	<b>N0810</b>  (Perfluorobutyl)methanol CAS RN: 355-28-2	<b>1g 5g 25g</b>	<b>T1098</b>  Tridecafluorohexyl Iodide CAS RN: 355-43-1	<b>5g 25g</b>	<b>T2479</b>  Tridecafluorohexyl Bromide CAS RN: 335-56-8	<b>5g 25g</b>	<b>U0074</b>  CF <sub>3</sub> (CF <sub>2</sub> ) <sub>4</sub> CH <sub>2</sub> OH 1H,1H-Undecafluoro-1-hexanol CAS RN: 423-46-1	<b>5g</b>
<b>N0600</b>  2-(Perfluorobutyl)ethanol CAS RN: 2043-47-2	<b>5g 25g</b>	<b>P1155</b>  2-(Nonafluorobutyl)ethyl Iodide CAS RN: 2043-55-2	<b>5g 25g</b>					

## Building Blocks for Organic Semiconductor

<b>U0083</b> CF <sub>3</sub> (CF <sub>2</sub> ) <sub>4</sub> CH <sub>2</sub> NH <sub>2</sub> 1H,1H-Perfluoroheylamine CAS RN: 355-34-0	<b>C7 Alkyl Groups</b>	<b>N1040</b> CF <sub>3</sub> (CF <sub>2</sub> ) <sub>3</sub> (CH <sub>2</sub> ) <sub>3</sub> OH 3-(Perfluorobutyl)propanol CAS RN: 83310-97-8	<b>P1753</b> CF <sub>3</sub> (CF <sub>2</sub> ) <sub>6</sub> Br Perfluoroheptyl Bromide CAS RN: 375-88-2	<b>T1701</b> CF <sub>3</sub> (CF <sub>2</sub> ) <sub>5</sub> CH <sub>2</sub> OH 1H,1H-Perfluoro-1-heptanol CAS RN: 375-82-6
<b>T2482</b> CF <sub>3</sub> (CF <sub>2</sub> ) <sub>5</sub> CH <sub>2</sub> I 1H,1H-Perfluoroheptyl Iodide CAS RN: 212563-43-4	<b>C8 Alkyl Groups</b>	<b>H0946</b> CF <sub>3</sub> (CF <sub>2</sub> ) <sub>7</sub> Br Perfluoro-n-octyl Bromide CAS RN: 423-55-2	<b>T2074</b> CF <sub>3</sub> (CF <sub>2</sub> ) <sub>5</sub> CH <sub>2</sub> CH <sub>2</sub> I 1H,1H,2H,2H-Perfluoro-n-octyl Iodide CAS RN: 2043-57-4	<b>T2528</b> CF <sub>3</sub> (CF <sub>2</sub> ) <sub>5</sub> CH <sub>2</sub> CH <sub>2</sub> OH 2-(Perfluorohexyl)ethanol CAS RN: 647-42-7
<b>C9 Alkyl Groups</b>	<b>T3258</b> CF <sub>3</sub> (CF <sub>2</sub> ) <sub>5</sub> (CH <sub>2</sub> ) <sub>3</sub> OH 3-(Perfluorohexyl)propanol CAS RN: 80806-68-4	<b>Dialkyl-dichlorosilanes</b>	<b>D2704</b>  Dibutyldichlorosilane CAS RN: 3449-28-3	<b>D2710</b>  Dichlorodipentylsilane CAS RN: 18037-39-3
 Dichlorodihexylsilane CAS RN: 18204-93-8	 Dichlorodi-n-octylsilane CAS RN: 18416-07-4	 Dichlorobis(2-ethylhexyl)silane CAS RN: 1089687-03-5		

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