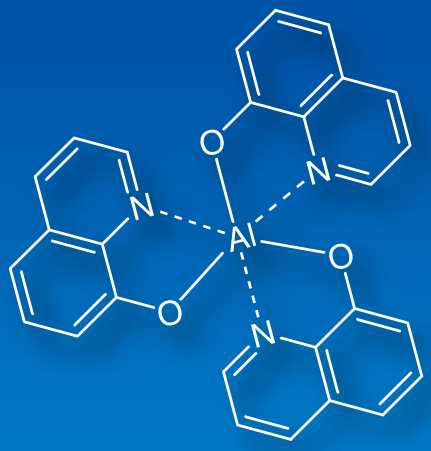
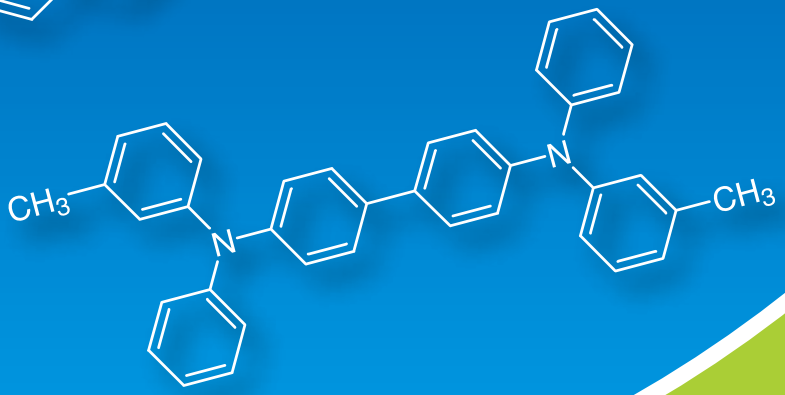
MATERIALS

Organic Light-Emitting Diode (OLED) Materials





Host Materials

Hole Transport Materials

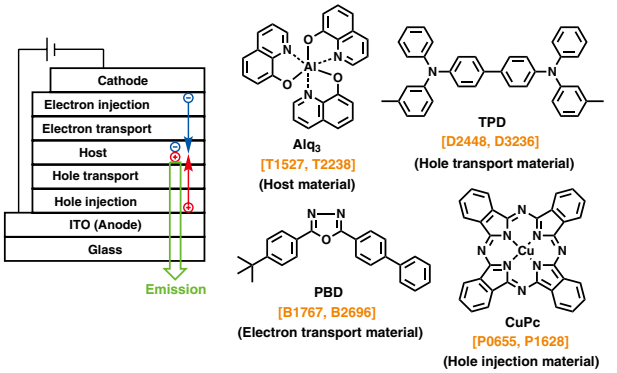
Electron Transport Materials

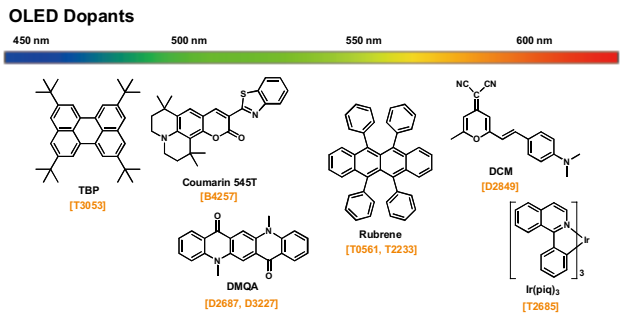
Light Emitters and Dopants

Organic Light-Emitting Diode (OLED) Materials

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 materials. The OLED was focused on practical use, after Tang *et al.* first observed the OLED device by use of a two layered organic thin film.[1] Adachi *et al.* further reported a three layered device, in which a host layer is sandwiched by hole transport and electron transport layers. In addition, they reported a two layered system, in which one layer has roles of host and electron transport properties.[2,3] A five layered system including electron injection and hole injection layers has been also studied in order to improve the efficiency of carrier injection. One can control RGB colors of emission by selection of a dopant into a host layer. A suitable combination of the dopant can give a white colored device.[4,5] An application using the white organic light-emitting device (WOLED) is an OLED light panel.[6]

An amorphous material is useful for an OLED device, because it is transparent, homogeneous, isotropic and easily processible. A practical OLED device further requires excellent heat-resistance and durability. Many hole transport materials based on triphenylamine derivatives (TPD) are widely usable,





because they are heat-resistant and amorphous.[7,8] In addition to the TPDs, oxadiazole derivatives (PBD) having an electron transport property,[9] Alq_3 as a host material,[1] and blue emissive distylyl derivatives[10] are fundamental materials for amorphous OLED devices.

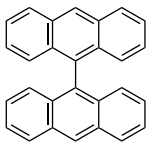
A conventional fluorescent material provides only 25% of a singlet exciton but loses 75% of the triplet one by a nonradiative deactivation, although it has a high current density. On the other hand, a phosphorescent material may provide 100% EL quantum efficiency through an intersystem crossing from singlet to triplet excited states. The phosphorescent $Ir(ppy)_3$ and its analogues have been reported so far.[11] Recently, metal-free materials exhibiting thermally activated delayed fluorescence (TADF) were investigated as well. Adachi *et al.* reported more than 25% quantum efficiency by use of fluorescent materials having a low energy gap between singlet and triplet excited states, because an inverted energy transfer occurs from the triplet to the singlet state.[12,13]

References

1) C. W. Tang, S. A. VanSlyke, *Appl. Phys. Lett.* **1987**, *51*, 913.
2) C. Adachi, S. Tokito, T. Tsutsui, S. Saito, *Jpn. J. Appl. Phys.* **1988**, *27*, L269.
3) C. Adachi, S. Tokito, T. Tsutsui, S. Saito, *Jpn. J. Appl. Phys.* **1988**, *27*, L713.
4) Review: B. Luessem, M. Riede, K. Leo, *Phys. Org. Semicon. (2nd Edition)* **2012**, 427.
5) Review: C. Adachi, T. Oyamada, T. Matsushima, *Mol. Electron. Bioelectron.* **2007**, *18*, 25.
6) Review: H. Sasabe, J. Kido, *J. Mater. Chem. C* **2013**, *1*, 1699.
7) Y. Shirota, K. Okumoto, H. Inada, *Synth. Met.* **2000**, *111-112*, 387.
8) X. Zhou, J. Blochwitz, M. Pfeiffer, A. Nollau, T. Fritz, K. Leo, *Adv. Funct. Mater.* **2001**, *11*, 310.
9) M. Era, C. Adachi, T. Tsutsui, S. Saito, *Chem. Phys. Lett.* **1991**, *178*, 488.
10) C. Hosokawa, H. Higashi, H. Nakamura, T. Kusumoto, *Appl. Phys. Lett.* **1995**, *67*, 3853.
11) C. Adachi, M. A. Baldo, S. R. Forrest, M. E. Thompson, *Appl. Phys. Lett.* **2000**, *77*, 904.
12) H. Uoyama, K. Goushi, K. Shizu, H. Nomura, C. Adachi, *Nature* **2012**, *492*, 234.
13) Q. Zhang, B. Li, S. Huang, H. Nomura, H. Tanaka, C. Adachi, *Nat. Photonics* **2014**, *8*, 326.

Host Materials

B4095 1g 5g



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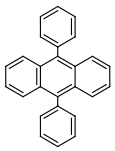

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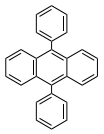

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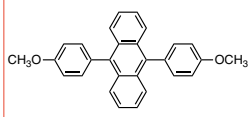

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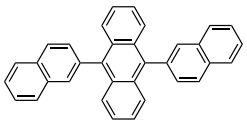

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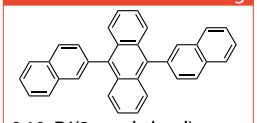

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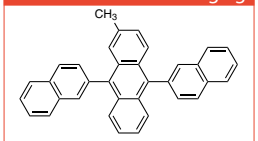

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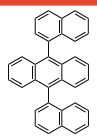
D3975 1g 5g



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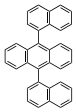

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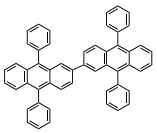

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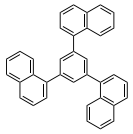
T3193 200mg 1g



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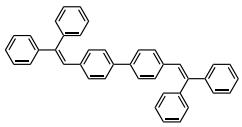
B2737 5g



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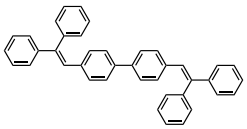

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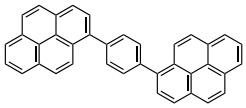

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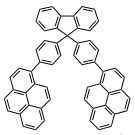

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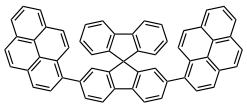

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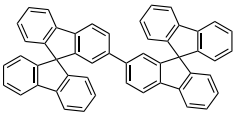

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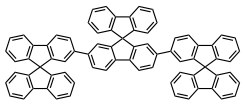

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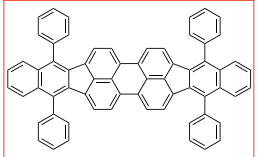

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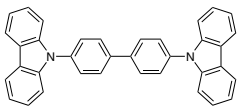

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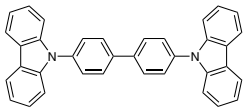

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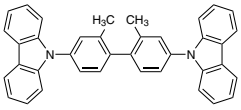

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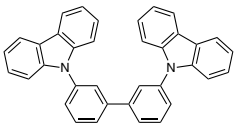

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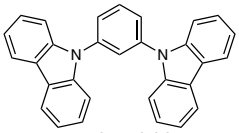

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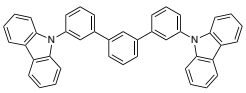

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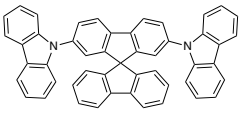

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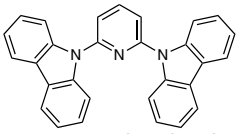

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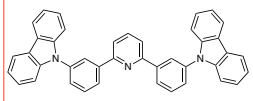

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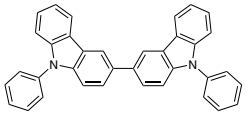

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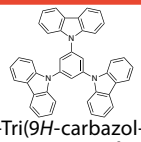

1,3,5-Tri(9*H*-carbazol-9-yl)benzene (purified by sublimation)
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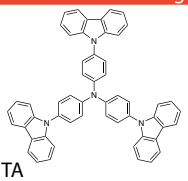

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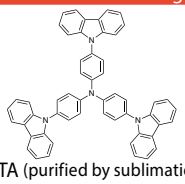

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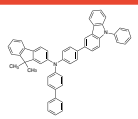

N-[[1,1'-Biphenyl]-4-yl]-9,9-dimethyl-*N*-[4-(9-phenyl-9*H*-carbazol-3-yl)-phenyl]-9*H*-fluoren-2-amine
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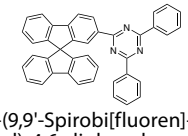

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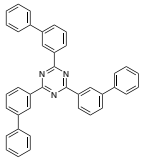

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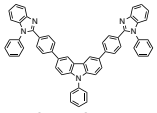

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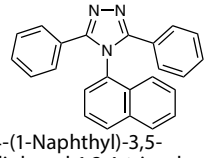

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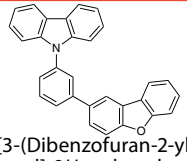

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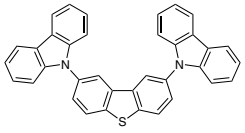
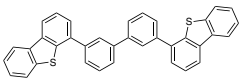


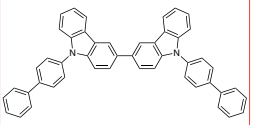
DCzDBT
CAS RN: 913738-04-2

D5473 1g



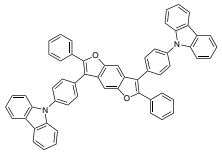
3,3'-Di(dibenzothiophen-4-yl)-1,1'-biphenyl
CAS RN: 1128045-14-6

D5303 200mg 1g



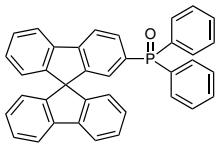
9,9′-Di([1,1′-biphenyl]-4-yl)-9*H*,9′*H*-3,3′-bicarbazole
CAS RN: 57102-51-9

C2780 200mg 1g



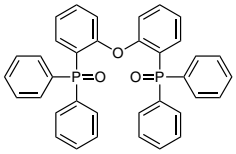
CZBDF
CAS RN: 1092578-51-2

D4921 200mg



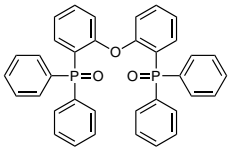
SPPO1
CAS RN: 1125547-88-7

B5240 1g



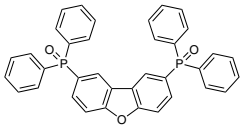
DPEPO
CAS RN: 808142-23-6

B5448 200mg 1g



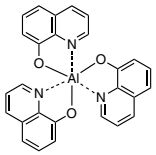
DPEPO (purified by sublimation)
CAS RN: 808142-23-6

B5822 200mg 1g



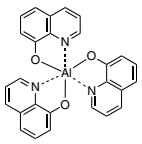
2,8-Bis(diphenylphosphoryl)-dibenzo[*b*,*d*]furan
CAS RN: 911397-27-8

T1527 5g 25g 250g



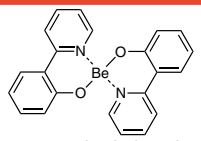
Alq_3
CAS RN: 2085-33-8

T2238 5g



Alq_3 (purified by sublimation)
CAS RN: 2085-33-8

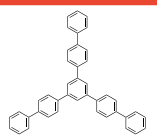
B4720 200mg



Bis[2-(2-pyridinyl)phenolato]-beryllium(II)
CAS RN: 220694-90-6

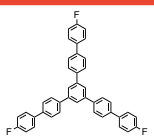
Hole Transport Materials

T3461 1g



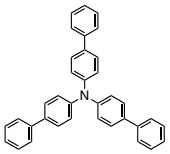
1,3,5-Tris(4-biphenylyl)-benzene
CAS RN: 6326-64-3

T3462 200mg



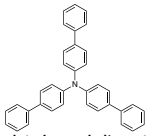
1,3,5-Tris(4'-fluoro-biphenyl-4-yl)benzene
CAS RN: 372956-40-6

T3327 1g 5g



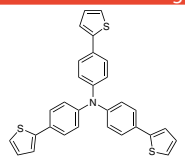
Tris(4-biphenylyl)amine
CAS RN: 6543-20-0

T3778 200mg 1g



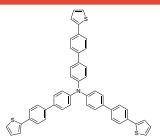
Tris(4-biphenylyl)amine
(purified by sublimation)
CAS RN: 6543-20-0

T3050 1g 5g



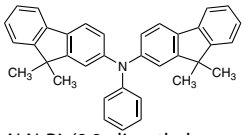
Tris[4-(2-thienyl)phenyl]amine
CAS RN: 142807-63-4

T3337 200mg



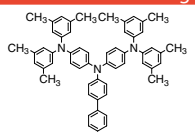
Tris[4'-(2-thienyl)-4-biphenylyl]amine
CAS RN: 1092356-36-9

B5045 200mg 1g



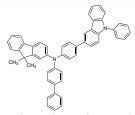
N,*N*-Bis(9,9-dimethyl-9*H*-fluoren-2-yl)aniline
CAS RN: 165320-27-4

B2269 100mg 1g



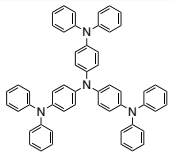
4,4'-Bis[di(3,5-xylyl)amino]-4''-phenyltriphenylamine
CAS RN: 249609-49-2

B5435 1g 5g



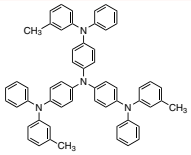
N-[[1,1'-Biphenyl]-4-yl]-9,9-dimethyl-*N*-[4-(9-phenyl-9*H*-carbazol-3-yl)-phenyl]-9*H*-fluoren-2-amine
CAS RN: 1242056-42-3

T3062 200mg 1g



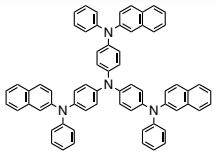
TDATA
CAS RN: 105389-36-4

T2251 100mg



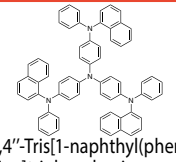
m-MTDATA
CAS RN: 124729-98-2

T3233 1g



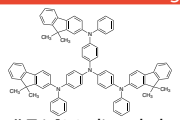
2-TNATA
CAS RN: 185690-41-9

T3689 250mg



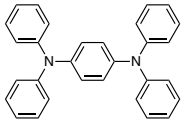
4,4′,4′′-Tris[1-naphthyl(phenyl)-amino]triphenylamine
CAS RN: 185690-39-5

T3438 200mg 1g



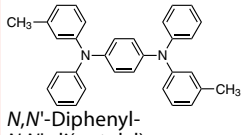
4,4',4''-Tris[9,9-dimethyl-fluoren-2-yl(phenyl)-amino]-triphenylamine
CAS RN: 303111-06-0

T3309 1g 5g



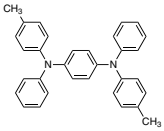
N,*N*,*N*',*N*'-Tetraphenyl-1,4-phenylenediamine
CAS RN: 14118-16-2

D4930 1g 5g



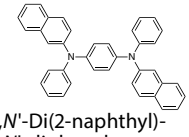
N,*N*'-Diphenyl-*N*,*N*'-di(*m*-tolyl)-1,4-phenylenediamine
CAS RN: 80223-29-6

D4905 1g 5g



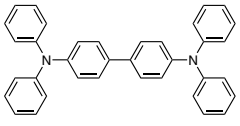
N,*N*'-Diphenyl-*N*,*N*'-bis(*p*-tolyl)-1,4-phenylenediamine
CAS RN: 138171-14-9

D4929 1g 5g



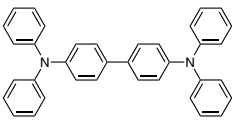
N,*N*'-Di(2-naphthyl)-*N*,*N*'-diphenyl-1,4-phenylenediamine
CAS RN: 139994-47-1

T1812 5g 25g



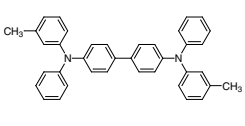
TPB
CAS RN: 15546-43-7

T3266 1g 5g



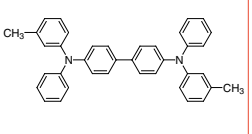
TPB (purified by sublimation)
CAS RN: 15546-43-7

D2448 1g 5g



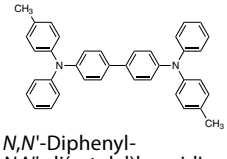
TPD
CAS RN: 65181-78-4

D3236 1g 5g



TPD (purified by sublimation)
CAS RN: 65181-78-4

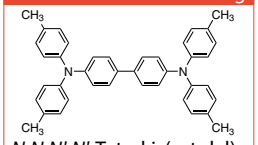
D4834 200mg 1g



N,*N*'-Diphenyl-*N*,*N*'-di(*p*-tolyl)benzidine
CAS RN: 20441-06-9

Please inquire for pricing and availability of listed products to our local sales representatives.

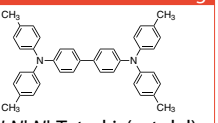
T2269 5g



N,N,N',N'-Tetrakis(*p*-tolyl)-benzidine

CAS RN: 76185-65-4

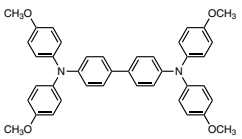
T3265 1g



N,N,N',N'-Tetrakis(*p*-tolyl)-benzidine (purified by sublimation)

CAS RN: 76185-65-4

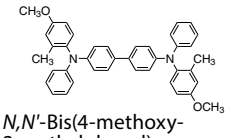
T3290 200mg 1g



MeO-TPD

CAS RN: 122738-21-0

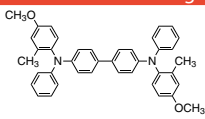
B4470 5g



N,N'-Bis(4-methoxy-2-methylphenyl)-*N,N'*-diphenylbenzidine

CAS RN: 169685-34-1

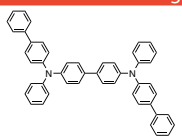
B5140 1g 5g



N,N'-Bis(4-methoxy-2-methylphenyl)-*N,N'*-diphenylbenzidine (purified by sublimation)

CAS RN: 169685-34-1

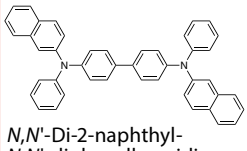
D4928 1g 5g



N,N'-Di(4-biphenylyl)-*N,N'*-diphenylbenzidine

CAS RN: 134008-76-7

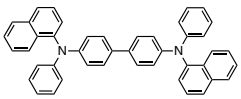
D4253 1g



N,N'-Di-2-naphthyl-*N,N'*-diphenylbenzidine

CAS RN: 139255-17-7

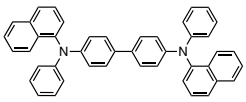
D5126 1g 5g



N,N'-Di-1-naphthyl-*N,N'*-diphenylbenzidine

CAS RN: 123847-85-8

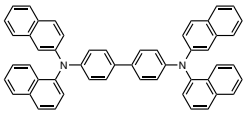
D3970 1g 5g



N,N'-Di-1-naphthyl-*N,N'*-diphenylbenzidine (purified by sublimation)

CAS RN: 123847-85-8

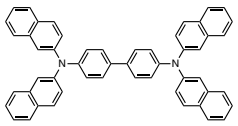
D4855 200mg 1g



N,N'-Di-1-naphthyl-*N,N'*-di-2-naphthylbenzidine

CAS RN: 374592-88-8

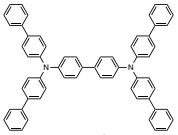
T3288 1g



N,N,N',N'-Tetra(2-naphthyl)-benzidine

CAS RN: 141752-82-1

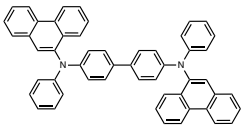
T3054 1g



N,N,N',N'-Tetrakis(4-biphenylyl)benzidine

CAS RN: 164724-35-0

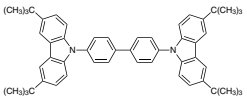
D5177 200mg 1g



N,N'-Di(9-phenanthrenyl)-*N,N'*-diphenylbenzidine

CAS RN: 182507-83-1

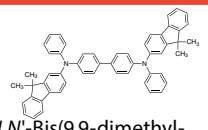
B5675 1g



4,4'-Bis(3,6-di-*tert*-butyl-9*H*-carbazol-9-yl)-1,1'-biphenyl

CAS RN: 838862-47-8

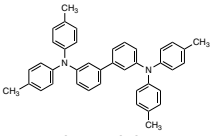
B4962 1g



N,N'-Bis(9,9-dimethyl-9*H*-fluoren-2-yl)-*N,N'*-diphenylbenzidine

CAS RN: 361486-60-4

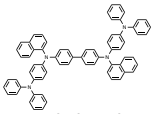
B4874 1g 5g



3,3'-Bis[di(*p*-tolyl)amino]-biphenyl

CAS RN: 161485-60-5

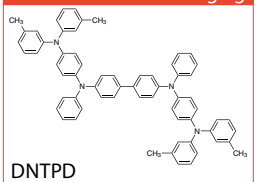
B5093 1g 5g



N,N'-Bis[4-(diphenylamino)-phenyl]-*N,N'*-di(1-naphthyl)-benzidine

CAS RN: 910058-11-6

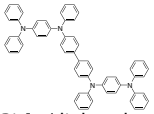
B5634 1g 5g



DNTPD

CAS RN: 199121-98-7

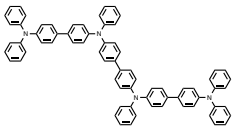
B5117 200mg 1g



N,N'-Bis[4-(diphenylamino)-phenyl]-*N,N'*-diphenyl-benzidine

CAS RN: 209980-53-0

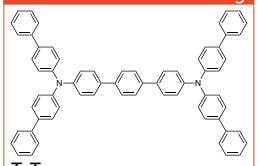
D4863 1g



TPTE

CAS RN: 167218-46-4

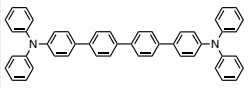
T3656 1g



TaTm

CAS RN: 952431-34-4

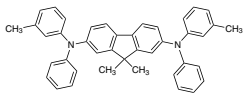
T3657 200mg 1g



N,N,N',N'-Tetraphenyl[1,1':4',1'':4'',1'''-quaterphenyl]-4,4'''-diamine

CAS RN: 145898-89-1

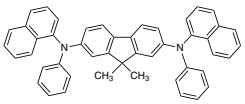
D4920 200mg 1g



DMFL-TPD

CAS RN: 143886-11-7

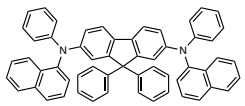
B4926 200mg 1g



DMFL-NPB

CAS RN: 222319-05-3

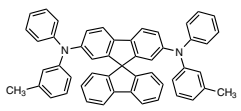
D5443 200mg 1g



DPFL-NPB

CAS RN: 357645-40-0

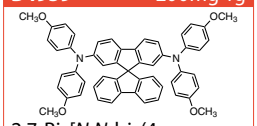
B4882 200mg 1g



2,7-Bis[*N*-(*m*-tolyl)anilino]-9,9'-spirobi[9*H*-fluorene]

CAS RN: 1033035-83-4

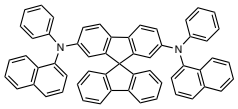
B4959 200mg 1g



2,7-Bis[*N*,*N*-bis(4-methoxyphenyl)amino]-9,9-spirobi[9*H*-fluorene]

CAS RN: 1138220-69-5

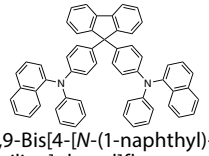
B4875 200mg 1g



2,7-Bis[*N*-(1-naphthyl)-anilino]-9,9'-spirobi[9*H*-fluorene]

CAS RN: 932739-76-9

B4979 200mg 1g



9,9-Bis[4-[*N*-(1-naphthyl)-anilino]phenyl]fluorene

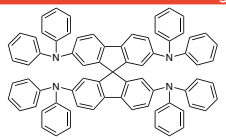
CAS RN: 510775-24-3

B4978 200mg 1g

9,9-Bis[4-[di(2-naphthyl)-amino]phenyl]fluorene

CAS RN: 916061-87-5

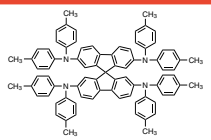
T3634 1g



2,2',7,7'-Tetrakis(diphenylamino)-9,9'-spirobi[9*H*-fluorene]

CAS RN: 189363-47-1

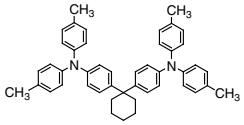
T3704 200mg



Spiro-TTB

CAS RN: 515834-67-0

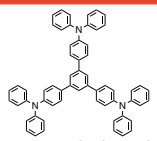
B2079 1g 5g



TAPC

CAS RN: 58473-78-2

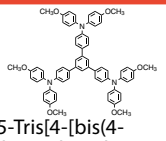
T3436 200mg 1g



1,3,5-Tris[4-(diphenyl-amino)phenyl]benzene

CAS RN: 147951-36-8

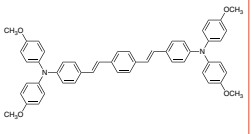
T3437 200mg



1,3,5-Tris[4-[bis(4-methoxyphenyl)amino]-phenyl]benzene

CAS RN: 142894-38-0

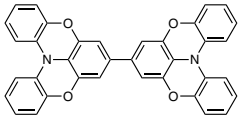
B5672 1g 5g 25g



TOP-HTM-α1

CAS RN: 872466-50-7

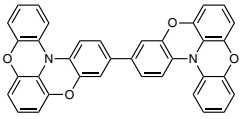
B4908 200mg 1g



HN-D1

CAS RN: 1395881-55-6

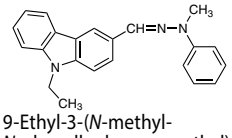
B4907 200mg 1g



HN-D2

CAS RN: 1395881-58-9

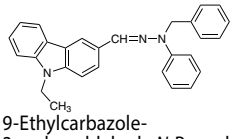
E0570 1g



9-Ethyl-3-(*N*-methyl-*N*-phenylhydrazonomethyl)-carbazole

CAS RN: 75232-44-9

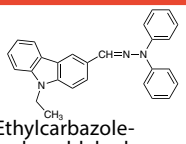
E0574 1g



9-Ethylcarbazole-3-carboxaldehyde *N*-Benzyl-*N*-phenylhydrazone

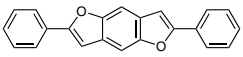
CAS RN: 75238-79-8

E0571 1g



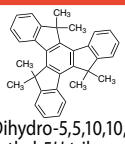
9-Ethylcarbazole-3-carboxaldehyde Diphenylhydrazone
CAS RN: 73276-70-7

D4633 200mg 1g



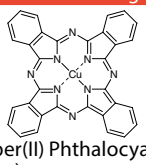
2,6-Diphenylbenzo[1,2-*b*:4,5-*b*']difuran
CAS RN: 5379-77-1

D4753 200mg



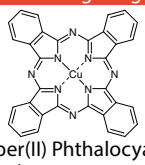
10,15-Dihydro-5,5,10,10,15,15-hexamethyl-5*H*-tribenzo[*a*,*f*,*k*]-trindene
CAS RN: 597554-76-2

P1005 25g 250g



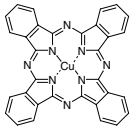
Copper(II) Phthalocyanine (α-form)
CAS RN: 147-14-8

P1006 25g 100g 500g



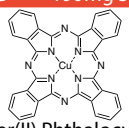
Copper(II) Phthalocyanine (β-form)
CAS RN: 147-14-8

P1628 1g



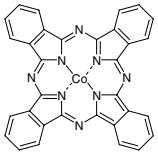
Copper Phthalocyanine (purified by sublimation)
CAS RN: 147-14-8

C3645 100mg 500mg



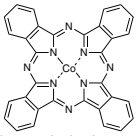
Copper(II) Phthalocyanine (purified by sublimation) [for organic electronics]
CAS RN: 147-14-8

P0887 5g 25g



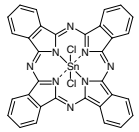
Cobalt(II) Phthalocyanine
CAS RN: 3317-67-7

C3252 200mg



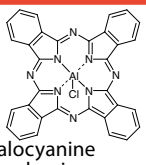
Cobalt(II) Phthalocyanine (purified by sublimation)
CAS RN: 3317-67-7

P0997 1g



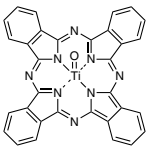
Tin(IV) Phthalocyanine Dichloride
CAS RN: 18253-54-8

C1167 1g



Phthalocyanine Chloroaluminum
CAS RN: 14154-42-8

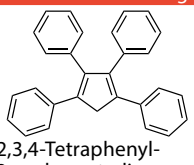
T2272 200mg 1g



TiOPc (purified by sublimation)
CAS RN: 26201-32-1

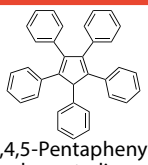
Electron Transport Materials

T1333 1g 5g



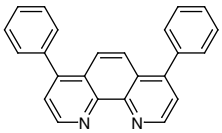
1,2,3,4-Tetraphenyl-1,3-cyclopentadiene
CAS RN: 15570-45-3

P1633 100mg



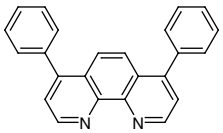
1,2,3,4,5-Pentaphenyl-1,3-cyclopentadiene
CAS RN: 2519-10-0

D0905 1g 5g



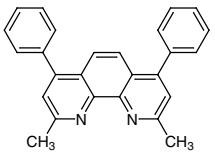
Bathophenanthroline
CAS RN: 1662-01-7

B2695 1g



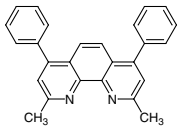
Bathophenanthroline (purified by sublimation)
CAS RN: 1662-01-7

D0711 1g 5g



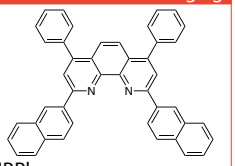
Bathocuproine
CAS RN: 4733-39-5

B2694 1g 5g



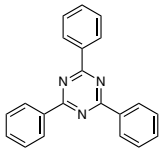
Bathocuproine (purified by sublimation)
CAS RN: 4733-39-5

D5581 200mg 1g



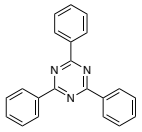
NBPhen
CAS RN: 1174006-43-9

T2785 1g 5g



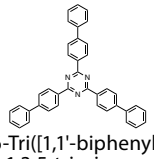
2,4,6-Triphenyl-1,3,5-triazine
CAS RN: 493-77-6

T3268 1g



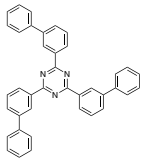
2,4,6-Triphenyl-1,3,5-triazine (purified by sublimation)
CAS RN: 493-77-6

T3539 200mg 1g



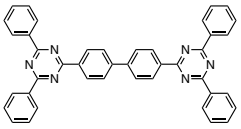
2,4,6-Tri([1,1'-biphenyl]-4-yl)-1,3,5-triazine
CAS RN: 31274-51-8

T3997 200mg 1g



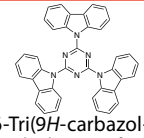
T2T
CAS RN: 1201800-83-0

B4977 200mg 1g



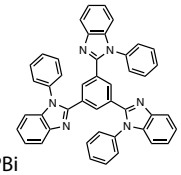
4,4'-Bis(4,6-diphenyl-1,3,5-triazin-2-yl)biphenyl
CAS RN: 266349-83-1

T2700 1g 5g



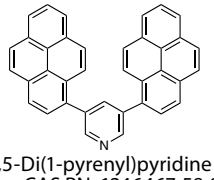
2,4,6-Tri(9*H*-carbazol-9-yl)-1,3,5-triazine (purified by sublimation)
CAS RN: 134984-37-5

T3537 200mg 1g



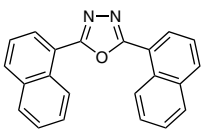
TPBi
CAS RN: 192198-85-9

D4931 200mg 1g



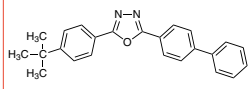
3,5-Di(1-pyrenyl)pyridine
CAS RN: 1246467-58-2

D2757 5g



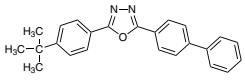
2,5-Di(1-naphthyl)-1,3,4-oxadiazole
CAS RN: 905-62-4

B1767 5g



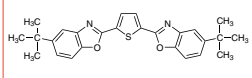
PBD
CAS RN: 15082-28-7

B2696 1g 5g



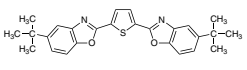
PBD (purified by sublimation)
CAS RN: 15082-28-7

B1554 5g 25g



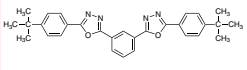
BBOT
CAS RN: 7128-64-5

B4221 1g 5g



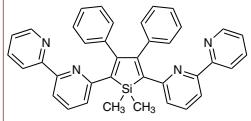
BBOT (purified by sublimation)
CAS RN: 7128-64-5

B4252 200mg 1g



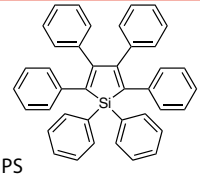
OXD-7
CAS RN: 138372-67-5

B4233 200mg



2,5-Bis(2,2'-bipyridin-6-yl)-1,1-dimethyl-3,4-diphenylsilole
CAS RN: 350042-00-1

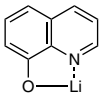
H1413 1g



HPS
CAS RN: 752-28-3

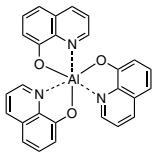
Please inquire for pricing and availability of listed products to our local sales representatives.

Q0100 1g 5g



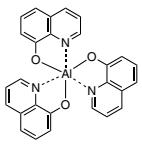
(8-Quinolinolato)lithium
CAS RN: 25387-93-3

T1527 5g 25g 250g



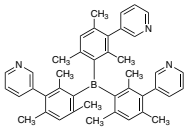
Alq_3
CAS RN: 2085-33-8

T2238 5g



Alq_3 (purified by sublimation)
CAS RN: 2085-33-8

T4079 100mg 500mg

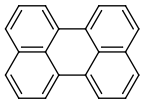


3TPYMB
(purified by sublimation)
CAS RN: 929203-02-1

Light Emitters and Dopants

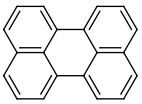
Blue Dopants

P0078 1g 5g 25g



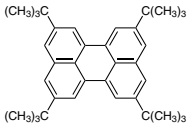
Perylene
CAS RN: 198-55-0

P1629 1g



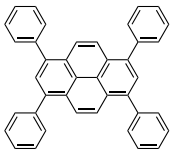
Perylene
(purified by sublimation)
CAS RN: 198-55-0

T3053 100mg



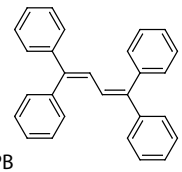
2,5,8,11-Tetra-*tert*-butylperylene
CAS RN: 80663-92-9

T3042 50mg 200mg



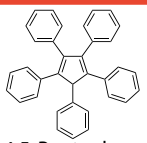
1,3,6,8-Tetraphenylpyrene
CAS RN: 13638-82-9

T0168 1g 5g



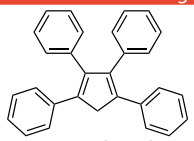
TPB
CAS RN: 1450-63-1

P1633 100mg



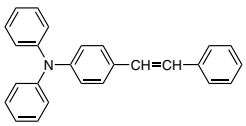
1,2,3,4,5-Pentaphenyl-1,3-cyclopentadiene
CAS RN: 2519-10-0

T1333 1g 5g



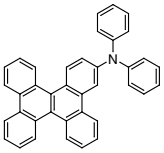
1,2,3,4-Tetraphenyl-1,3-cyclopentadiene
CAS RN: 15570-45-3

S0924 1g 5g



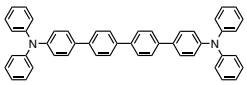
4-Styryltriphenylamine
CAS RN: 89114-74-9

D3739 200mg



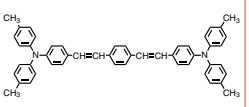
3-DPADBC
CAS RN: 1397202-77-5

T3657 200mg 1g



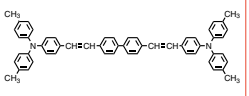
N,*N*,*N*',*N*'-Tetraphenyl[1,1':4',1'':4'',1'''-quaterphenyl]-4,4'''-diamine
CAS RN: 145898-89-1

B2080 1g



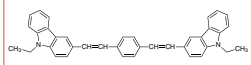
1,4-Bis[4-(di-*p*-tolylamino)-styryl]benzene
CAS RN: 55035-43-3

B4682 200mg



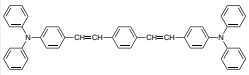
4,4'-Bis[4-(di-*p*-tolylamino)-styryl]biphenyl
CAS RN: 119586-44-6

B4792 200mg



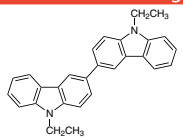
1,4-Bis[2-(9-ethylcarbazol-3-yl)vinyl]benzene
CAS RN: 62608-15-5

B5820 200mg



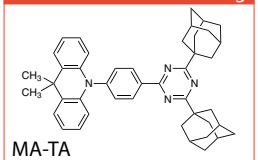
DSA-Ph
CAS RN: 55035-42-2

D5387 1g 5g



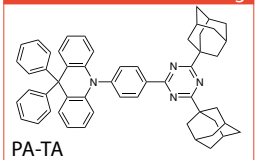
9,9'-Diethyl-9*H*,9'*H*-3,3'-bicarbazole
CAS RN: 20466-00-6

D5745 200mg



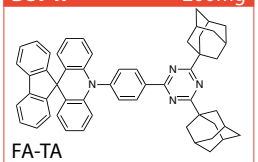
MA-TA
(purified by sublimation)
CAS RN: 2250187-15-4

D5746 200mg



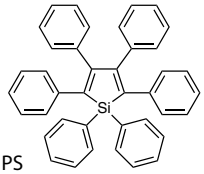
PA-TA
(purified by sublimation)
CAS RN: 2250187-17-6

D5747 200mg



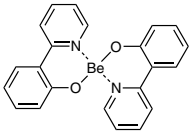
FA-TA
(purified by sublimation)
CAS RN: 2250187-16-5

H1413 1g



HPS
CAS RN: 752-28-3

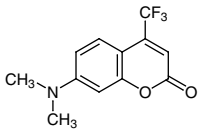
B4720 200mg



Bis[2-(2-pyridinyl)phenolato]-beryllium(II)
CAS RN: 220694-90-6

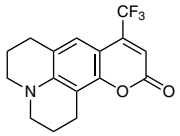
Green Dopants

D3356 5g



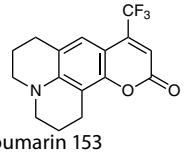
Coumarin 152
CAS RN: 53518-14-2

C2858 200mg 1g



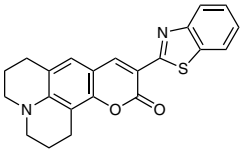
Coumarin 153
CAS RN: 53518-18-6

C3640 200mg



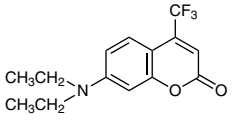
Coumarin 153
(purified by sublimation)
CAS RN: 53518-18-6

C2900 200mg



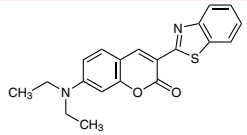
Coumarin 545
CAS RN: 85642-11-1

D4466 200mg



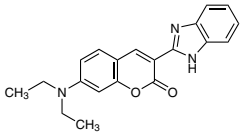
Coumarin 481
CAS RN: 41934-47-8

B2088 1g 5g



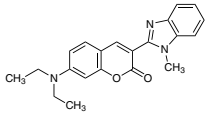
Coumarin 6
CAS RN: 38215-36-0

B2111 100mg 1g



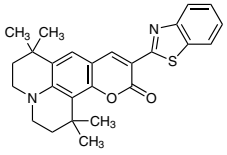
Coumarin 7
CAS RN: 27425-55-4

C2837 200mg 1g



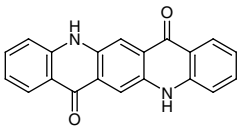
Coumarin 30
CAS RN: 41044-12-6

B4257 200mg



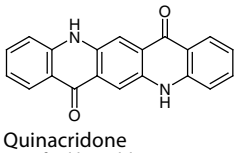
Coumarin 545T
CAS RN: 155306-71-1

Q0057 5g 25g



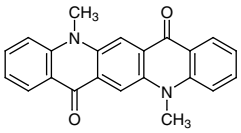
Quinacridone
CAS RN: 1047-16-1

Q0083 1g



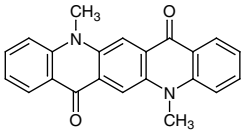
Quinacridone
(purified by sublimation)
CAS RN: 1047-16-1

D2687 1g 5g



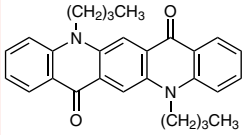
DMQA
CAS RN: 19205-19-7

D3227 1g



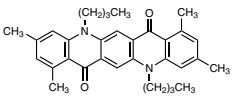
DMQA
(purified by sublimation)
CAS RN: 19205-19-7

D4780 200mg 1g



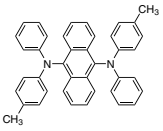
N,N'-Dibutylquinacridone
CAS RN: 99762-80-8

D4697 200mg 1g



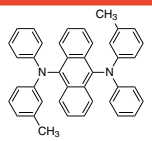
5,12-Dibutyl-1,3,8,10-tetramethylquinacridone
CAS RN: 850815-10-0

B5149 200mg 1g



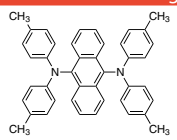
9,10-Bis[*N*-(*p*-tolyl)anilino]-anthracene
CAS RN: 190974-21-1

B4965 200mg 1g



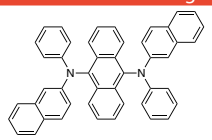
9,10-Bis[*N*-(*m*-tolyl)anilino]-anthracene
CAS RN: 189263-81-8

B4966 200mg 1g



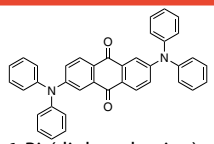
9,10-Bis[*N*,*N*-di(*p*-tolyl)-amino]anthracene
CAS RN: 177799-16-5

B5023 200mg 1g



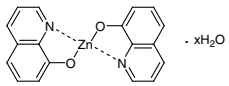
9,10-Bis[*N*-(2-naphthyl)-anilino]anthracene
CAS RN: 473717-08-7

B5092 200mg



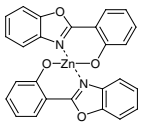
2,6-Bis(diphenylamino)-anthraquinone
CAS RN: 868850-50-4

B1678 5g 25g



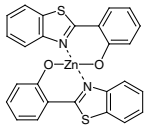
Bis(8-quinolinolato)zinc(II)
Hydrate
CAS RN: 13978-85-3

B2078 5g



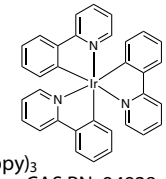
Bis[2-(2-benzoxazolyl)-phenolato]zinc(II)
CAS RN: 23467-27-8

B2077 1g 5g



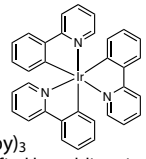
Bis[2-(2-benzothiazolyl)-phenolato]zinc(II)
CAS RN: 58280-31-2

T3716 200mg 1g



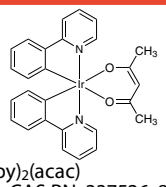
Ir(ppy)$_3$
CAS RN: 94928-86-6

T1946 200mg



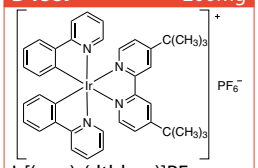
Ir(ppy)$_3$
(purified by sublimation)
CAS RN: 94928-86-6

P2637 200mg



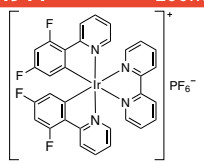
Ir(ppy)$_2$(acac)
CAS RN: 337526-85-9

D4887 200mg



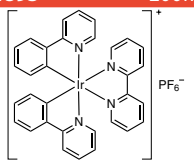
Ir[(ppy)$_2$(dtbbpy)]PF$_6$
CAS RN: 676525-77-2

B4944 200mg



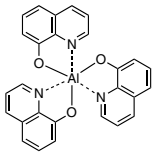
Ir[(dFppy)$_2$(bpy)]PF$_6$
CAS RN: 864163-80-4

B4893 200mg



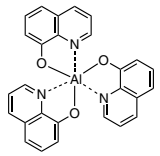
[Ir(ppy)$_2$(bpy)]PF$_6$
CAS RN: 106294-60-4

T1527 5g 25g 250g



Alq$_3$
CAS RN: 2085-33-8

T2238 5g



Alq$_3$ (purified by sublimation)
CAS RN: 2085-33-8

Red Dopants

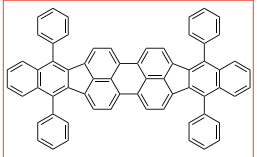
T0561 100mg 1g

Rubrene
CAS RN: 517-51-1

T2233 250mg 1g

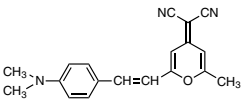
Rubrene
(purified by sublimation)
CAS RN: 517-51-1

D6033 250mg



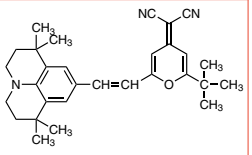
DBP
CAS RN: 175606-05-0

D2849 500mg



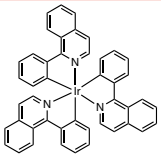
DCM
CAS RN: 51325-91-8

D4700 200mg



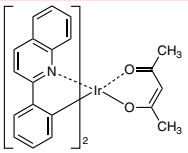
DCJTB
CAS RN: 200052-70-6

T2685 100mg



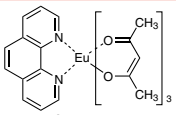
Ir(piq)$_3$ (purified by sublimation)
CAS RN: 435293-93-9

A3149 200mg



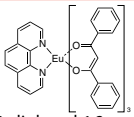
PQIr
CAS RN: 1173886-71-9

T3206 200mg



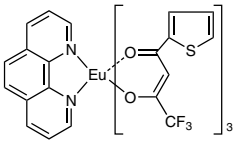
Tris(acetylacetonato)-(1,10-phenanthroline)-europium(III)
CAS RN: 17568-09-1

T1735 1g 5g



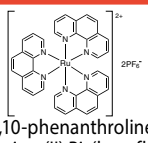
Tris(1,3-diphenyl-1,3-propanedionato)(1,10-phenanthroline)-europium(III)
CAS RN: 17904-83-5

P1766 1g



Eu(TTA)$_3$phen
CAS RN: 17904-86-8

T3208 200mg 1g



Tris(1,10-phenanthroline)-ruthenium(II) Bis(hexafluoro-phosphate)
CAS RN: 60804-75-3

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