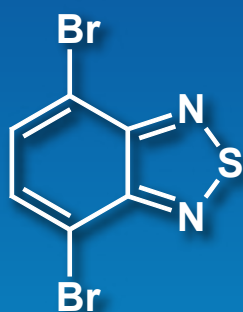


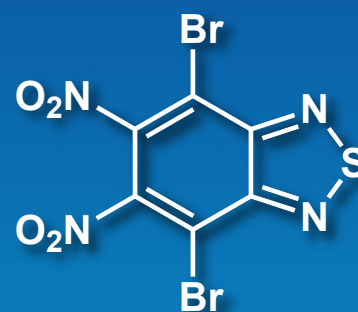
# Benzothiadiazole Monomers for Polymer Synthesis



**4,7-Dibromo-2,1,3-benzothiadiazole**  
1g / 5g / 25g  
[D3842]



**4,7-Dibromo-5,6-difluoro-2,1,3-benzothiadiazole**  
200mg  
[D4734]



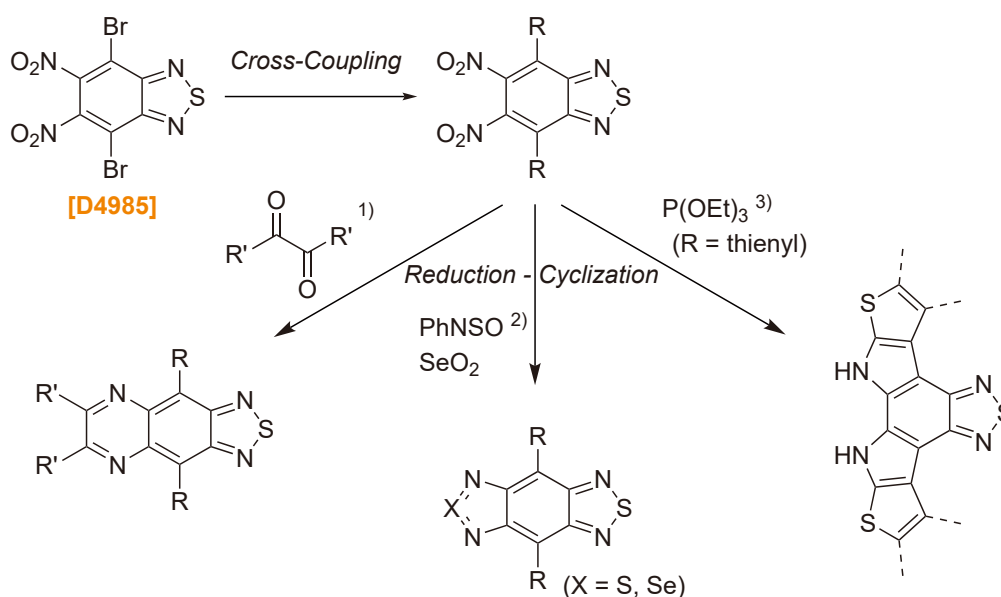
**4,7-Dibromo-5,6-dinitro-2,1,3-benzothiadiazole**  
1g / 5g  
[D4985] **New**

## Advantages

- Useful acceptor units with high electron-withdrawing property
- Dibromo forms allowing cross-coupling reactions in order to introduce the benzothiadiazole unit

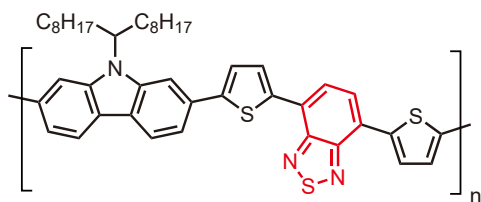
## Application

### $\pi$ -Conjugated Extension



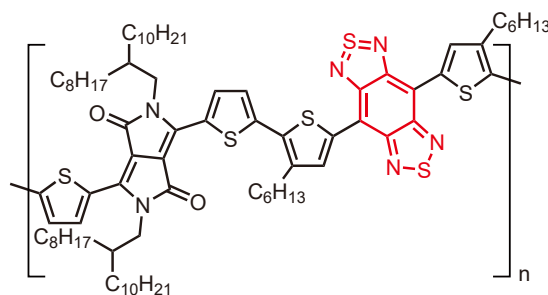
# Benzothiadiazole Monomers for Polymer Synthesis

## Examples of Synthetic Polymer



**PCDTBT**<sup>4)</sup>

$E_g$  1.88 eV  
HOMO -5.50 eV  
LUMO -3.60 eV



**PBBT6-DPP**<sup>5)</sup>

$E_g$  0.65 eV  
HOMO -4.55 eV  
LUMO -3.9 eV

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See more Benzothiadiazoles and Analogs.



or <https://bit.ly/3vc5rRh>

See more Donor Monomers.



or <https://bit.ly/3r0Wx7I>

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