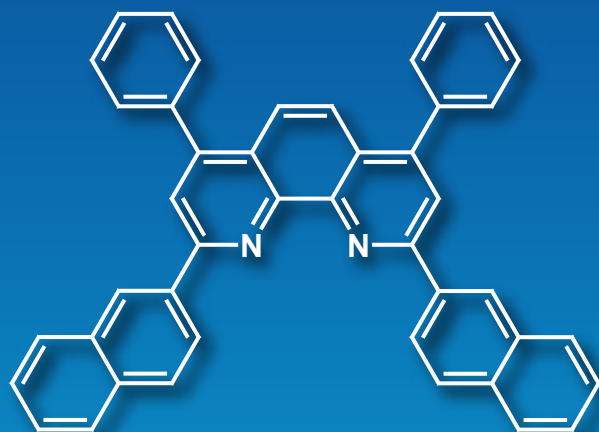


New

T&E MATERIALS



# Electron Transport Material for OLED NBPhen



**NBPhen**  
200mg / 1g  
[D5581]

## Advantages

- High electron mobility <sup>1)</sup>  
 $4.2 \times 10^{-4} \text{ cm}^2/\text{Vs}$
- HOMO -5.8 eV  
LUMO -2.6 eV <sup>1)</sup>
- Can be used as an exciplex host <sup>3)</sup>

## References

- 1) Highly Efficient Organic Light-Emitting Diode Using A Low Refractive Index Electron Transport Layer  
A. Salehi, S. Ho, Y. Chen, C. Peng, H. Yersin, F. So, *Adv. Opt. Mater.* **2017**, 5, 1700197.  
<https://doi.org/10.1002/adom.201700197>
- 2) Improving the Thermal Stability of Top-Emitting Organic Light-Emitting Diodes by Modification of the Anode Interface  
Y. Deng, C. Keum, S. Hillebrandt, C. Murawski, M. C. Gather, *Adv. Opt. Mater.* **2021**, 9, 2001642.  
<https://doi.org/10.1002/adom.202001642>
- 3) Highly stable and efficient deep-red phosphorescent organic light-emitting devices using a phenanthroline derivative as an n-type exciplex host partner  
H. Tsuneyama, H. Sasabe, Y. Saito, T. Noda, D. Saito, J. Kido, *J. Mater. Chem. C* **2022**, 10, 2073.  
<https://doi.org/10.1039/D1TC05417A>

## Other Electron Transport Materials

<b>New</b> 3TPYMB (purified by sublimation)	100mg / 500mg [T4079]
<b>New</b> T2T	200mg / 1g [T3997]
TPBi	200mg / 1g [T3537]
Bphen	1g / 5g [D0905]
Bphen (purified by sublimation)	1g [B2695]
Bathocuproine	1g / 5g [D0711]
Bathocuproine (purified by sublimation)	1g / 5g [B2694]

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