MATERIALS

Electron Transport Material for OLED NBPhen

NBPhen
200mg / 1g
[D5581]

Advantages

- High electron mobility [1)]
  4.2×10^{-4} cm^2/Vs
- HOMO -5.8 eV
  LUMO -2.6 eV [1)]
- Can be used as an exciplex host [3)]

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

3TPYMB (purified by sublimation)	100mg / 500mg	[T4079]
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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