

New

TCl6 MATERIALS



# Sulfur-containing Fused Polycyclic Building Block

## Naphtho[2,3-*b*]thiophene



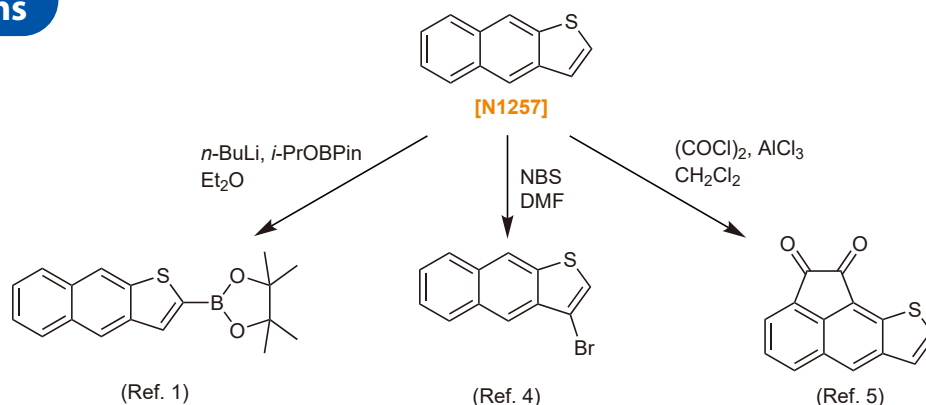
Naphtho[2,3-*b*]thiophene  
(purified by sublimation)

1g  
[N1257]

### Advantages

- Sublimation-refined, high purity grade suitable for electronic materials and analytical reagents.
- Available as a building block for organic semiconductors such as OFET materials.<sup>1)</sup>
- Induces room-temperature phosphorescence of dibenzothiophene.<sup>2)</sup>
- One component of sulfur-containing polycyclic aromatic compounds (PASHs) found as impurities in petroleum.<sup>3)</sup>

### Applications



- References
- 1) S. Nishinaga, Y. Nishihara, *et al.*, *Chem. Lett.* **2018**, 47, 1409. <https://doi.org/10.1246/cl.180644>
  - 2) K. C. Chong, B. Liu, *et al.*, *Adv. Mater.* **2022**, 34, 2201569. <https://doi.org/10.1002/adma.202201569>
  - 3) S. G. Mössner, S. A. Wise, *Anal. Chem.* **1999**, 71, 58. <https://doi.org/10.1021/ac980664f>
  - 4) Y. Qiu, F. Yong, *et al.*, WO2014075382 A1, **2014**.
  - 5) E. Lee-ruff, B. E. George, *Polycycl. Aromat. Compd.* **1990**, 1, 15. <https://doi.org/10.1080/10406639008034745>

### Related Products

Benzo[*b*]thiophene

Dibenzothiophene

Benzo[1,2-*b*:4,5-*b'*]dithiophene

Benzo[1,2-*b*:5,4-*b'*]dithiophene

Benzo[*b*]naphtho[1,2-*d*]thiophene

5g / 25g [B0093]

5g / 25g [D0148]

1g / 5g [B3464]

1g [B6274]

1g / 5g [B4951]

For further information please refer to our website at [www.TCIchemicals.com](http://www.TCIchemicals.com).

TCI blocks



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