

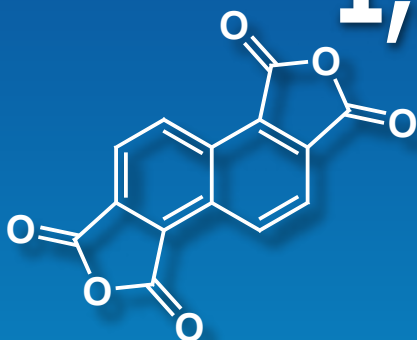
New

14 MATERIALS

T C I

Raw Material for Synthesis of Polyimides and Acceptor Materials

1,2,5,6-NTCDA



1,2,5,6-Naphthalenetetracarboxylic Dianhydride (= 1,2,5,6-NTCDA)

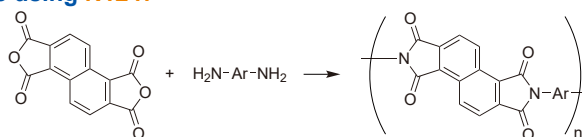
1g
[N1247]

Advantage

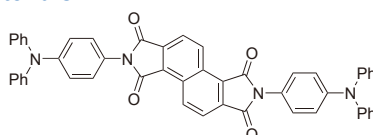
It is expected to be applied not only to polyimides, but also to electrochromic materials, organic semiconductors, etc.

Applications

Polyimide synthesis using N1247 ¹⁾

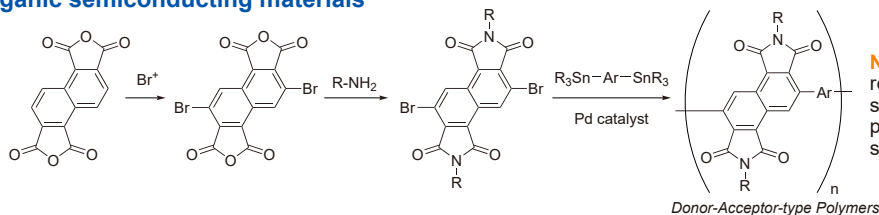


Electrochromic materials ²⁾



N1247 with the introduction of triarylamine moieties has been reported to exhibit electrochromic properties.

Organic semiconducting materials



N1247 with a low LUMO has been reported to be applicable to the synthesis of donor-acceptor-type polymers³⁾ and n-type organic semiconductors.⁴⁾

- References 1) W. Xu, Y. Yongfei, *et al.*, CN105542459A, 2016.
2) S. Nad, S. Malik, *ChemElectroChem* **2020**, 7, 4144. <https://doi.org/10.1002/celec.202001114>
3) S. Yamamoto, N. Watanabe, D. Kitazawa, JP2019-65267A, 2019.
4) S. Chen, Q. Zhang, Q. Zheng, C. Tang, C. Lu, *Chem. Commun.* **2012**, 48, 1254. <https://doi.org/10.1039/C2CC15733K>

Related Products

2,3,6,7-Naphthalenetetracarboxylic 2,3:6,7-Dianhydride

1g / 5g [N1128]

Naphthalene-1,4,5,8-tetracarboxylic Dianhydride

25g/ 250g [N0369]

Naphthalene-1,4,5,8-tetracarboxylic Dianhydride (purified by sublimation)

1g/ 5g [N0755]

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