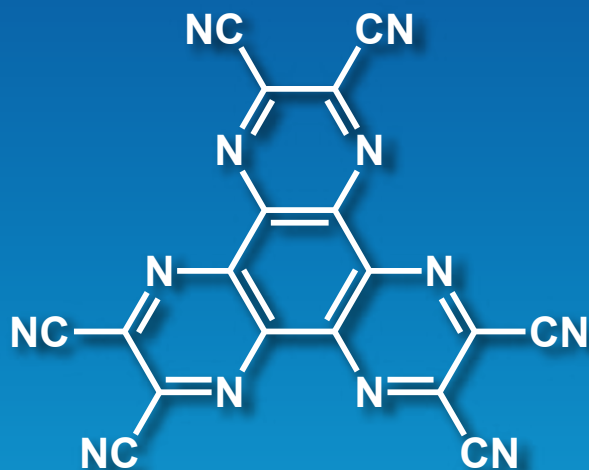


Hole-injection and Charge-generation Material with Strong Electron-Accepting Ability

HAT-CN 6



HAT-CN 6

200mg / 1g / 5g

[D5248]

Advantages

- Strong electron-accepting ability
- Deep LUMO energy level (~-5.5 eV)
- Planar π -conjugated molecules

Applications

- The use of HAT-CN 6 as hole-injection layer realizes efficient hole injection from an electrode to hole-transporting layer and reduces driving voltage.¹⁾
- The combination of HAT-CN 6 and electron-donor molecules forms charge-transfer complexes.²⁾
- The reaction of CN groups with primary amines leads to several derivatives.^{3,4)}
- Crystalline radical-anion salts are formed by the combination of HAT-CN 6 and cations, and the magnetic properties can be greatly changed in the solid state depending on the cation species.⁵⁾

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Hole-injection and Charge-generation Material with Strong Electron-Accepting Ability: HAT-CN 6

Related Products

α-NPB (purified by sublimation)	1g / 5g [D3970]
α-NPB	1g / 5g [D5126]
TAPC	1g / 5g [B2079]
<i>m</i>-MTDATA	100mg [T2251]
Bathophenanthroline (purified by sublimation)	1g [B2695]
Bathophenanthroline	1g / 5g [D0905]
Liq	1g / 5g [Q0100]
TCNQF₄ (purified by sublimation)	100mg / 1g [T1131]
2,3,6,7,10,11-Hexahydroxytriphenylene	1g / 5g [H0907]
Cryptand 2.2.2	1g / 5g [H0932]

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