Next-Generation Carbon Material with Infinite Potential

(6,6)Carbon Nanobelt

New carbon material synthesized for the first time in 2017 after over 60 years of challenges.
Rigid belt structure with 12 fully fused benzene rings
Partial structure of armchair-type carbon nanotube (CNT)
(6,6)Carbon Nanobelt has properties similar to (6,6)CNT
Red light emission: $\lambda_{em} = 630$ nm
($\lambda_{ex} = 500$ nm in CH$_2$Cl$_2$)

Highlighted in Nature, SPOTLIGHT 06 December 2017


(6,6)Carbon Nanobelt Bis(tetrahydrofuran) Adduct 10mg [11078]

This product was produced by collaboration with Prof. Kenichiro Itami and Assoc. Prof. Yasutomo Segawa at Nagoya University.
Next-Generation Carbon Material with Infinite Potential (6,6)Carbon Nanobelt

Nanocarbon Unit Structures

[Carbon nanotube unit structure]

Carbon Nanobelt
Cycloparaphenylene

[Graphene unit structure]

Corannulene
Truxene
Coronene (purified by sublimation)
Perylene (purified by sublimation)

[Fullerene unit structure]

For further information please refer to our website at www.TCIchemicals.com.

Related Products

[5]Cycloparaphenylene
[6]Cycloparaphenylene
[12]Cycloparaphenylene
Corannulene
Truxene
Coronene (purified by sublimation)
Perylene (purified by sublimation)

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