TECHNISCHE UNIVERSITÄT DRESDEN

HBC

Hexabenzocoronene

Nanographene by Sustainable Synthesis

Information, quantities and prices:

Materials Center

Phone: +49 351 463 - 32021
Fax: +49 351 463 - 37287
materials.center@chemie.tu-dresden.de

www.metal-organic-frameworks.eu

TU Dresden
Department of Chemistry and Food Chemistry
Inorganic Chemistry I
01062 Dresden

Chemical Data

Chemical Composition:

$C_{42}H_{18}$ (M_W = 522.61 g mol^{-1})

Min./Max. Quantity: 100 mg / 5 g

Air and Moisture Sensitivity:

stable in air and against water

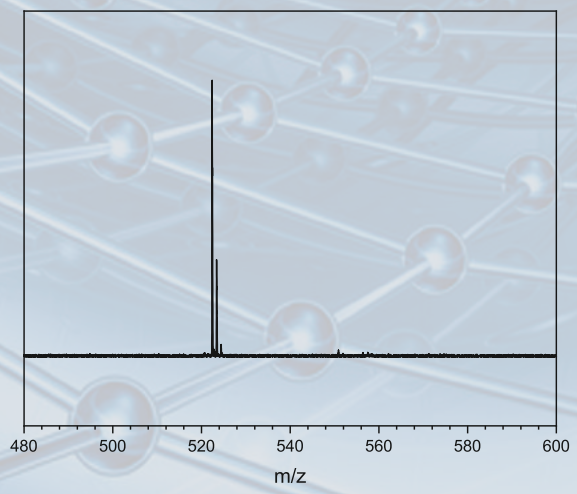
Colour: dark red

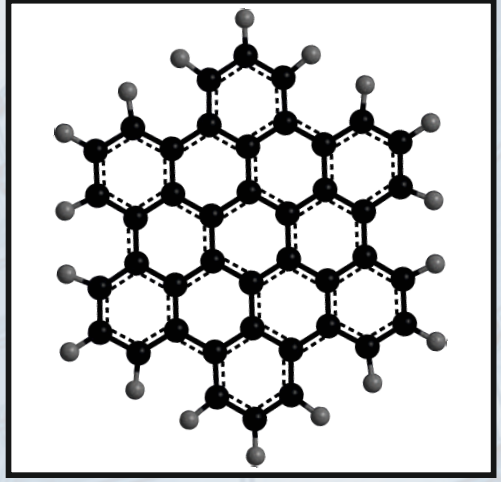
Synthetic Pathway: mechanochemical

Particle Size: <10 µm

Metal Impurities (EDX): <0.1 %

MALDI-TOF Spectrum:





Literature

Grätz, S., Beyer, D., Tkachova, V., Hellmann, S., Berger, R., Feng, X., & Borchardt, L. (2018). Chemical Communications, 54(42), 5307-5310.