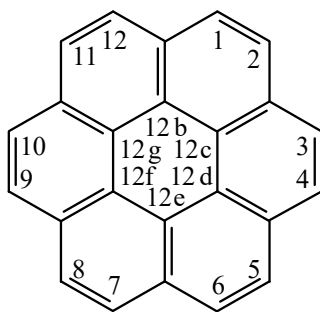




>>Entry Name: Coronene, 9Cl, 8Cl

Synonym(s): Hexabenzobenzene. [6]Circulene



CAS Registry Number: 191-07-1

Molecular Formula: C₂₄H₁₂

Molecular Weight: 300.359

Accurate Mass: 300.0939

Percentage Composition: C 95.97%; H 4.03%

Source/Synthesis: Found in automobile exhaust fumes

Use/Importance: Air pollutant

Physical Description: Stout yellow needles (C₆H₆)

Melting Point: Mp 438-440°

Boiling Point: Bp 525°

Hazard & Toxicity: Poss. carcinogen (equivocal/insufficient data)

Aldrich: C8480-1

Fluka: 27830

>>Derivative: Picrate

Physical Description: Deep-red cryst. (C₆H₆)

Melting Point: Mp 250 dec.°

>>Derivative: Trinitrofluorenone addn. compd.

Physical Description: Cryst. (C₆H₆)

Melting Point: Mp 332-334°

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