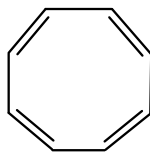




>>Entry Name: Cyclooctatetraene

Synonym(s): [8]Annulene



CAS Registry Number: 629-20-9

Molecular Formula: C₈H₈

Molecular Weight: 104.151

Accurate Mass: 104.0626

Percentage Composition: C 92.26%; H 7.74%

Physical Description: Liq.

Melting Point: Fp -7°

Boiling Point: Bp 142-143°

Density: d₄²⁰ 0.921

Refractive Index: n_D²⁰ 1.5290

Other Data: Nonplanar struct. Nonaromatic Hückel 4*n* hydrocarbon

Hazard & Toxicity: Highly flammable, fl. p. <21°. Potentially explosive endothermic molecule

Aldrich: 13892-4

Fluka: 29640

>>Derivative: Maleic anhydride addn. compd.

Melting Point: Mp 167-168°

>>Derivative: AgNO₃ complex (2:3)

Melting Point: Mp 173-174 dec.°

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