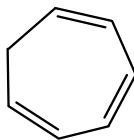




>>Entry Name: **1,3,5-Cycloheptatriene**, 9CI

Synonym(s): Tropilidene. Tropilidine



CAS Registry Number: 544-25-2

Molecular Formula: C₇H₈

Molecular Weight: 92.14

Accurate Mass: 92.0626

Percentage Composition: C 91.25%; H 8.75%

Physical Description: Liq.

Boiling Point: Bp₇₄₉ 117°. Bp₁₂₂ 60.5°

Density: d₄¹⁸ 0.888

Refractive Index: n_D^{17.5} 1.5175

Other Data: Resinifies in air.

Hazard & Toxicity: LD₅₀ (rat, orl) 57 mg/kg. LD₅₀ (rat, skn) 442 mg/kg. Highly flammable, fl. p. 4°

Aldrich: C9920-5

Fluka: 28860

>>Derivative: Maleic anhydride adduct (1)

Melting Point: Mp 104.2-105°

Other Data: Prod. of photo and thermal reaction

>>Derivative: Maleic anhydride adduct (2)

Melting Point: Mp 138-139°

Other Data: Prod. of [4 + 2] photoaddn.

>>Derivative: Maleic anhydride adduct (3)

Melting Point: Mp 86°

Other Data: Prod. of [2 + 2] photoaddn.

>>Derivative: Dimer

see Pentacyclo[8.4.0.0^{3,7}.0^{4,14}.0^{6,11}]tetradeca-8,12-diene, [BFS69-E](#)

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