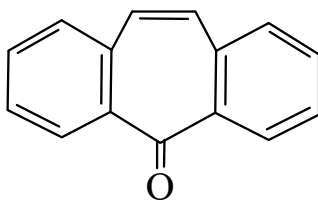




>>Entry Name: **5*H*-Dibenzo[*a,d*]cyclohepten-5-one**, 9CI

Synonym(s): 2,3:6,7-Dibenzotropone. Dibenzo[*a,d*]cycloheptatrien-5-one



CAS Registry Number: 2222-33-5

Molecular Formula: C₁₅H₁₀O

Molecular Weight: 206.243

Accurate Mass: 206.073165

Percentage Composition: C 87.36%; H 4.89%; O 7.76%

Physical Description: Cryst. (petrol)

Melting Point: Mp 90-91°

Boiling Point: Bp₈ 220°. Bp_{0.15} 133-134°

Density: d₄²⁵ 1.161

Aldrich: D3173-7

Fluka: 33536

>>Derivative: 2,4-Dinitrophenylhydrazone

Physical Description: Cryst. (EtOH/EtOAc)

Melting Point: Mp 258°

References:

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Cope, A.C. *et al.*, *J.A.C.S.*, 1951, **73**, 1673, (*synth*)

Shimanouchi, H. *et al.*, *Tet. Lett.*, 1968, 3573, (*struct*)

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