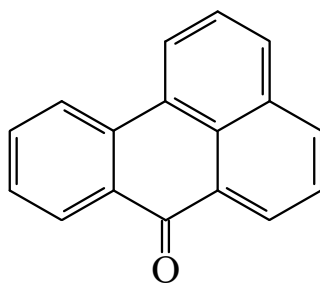




>>Entry Name: **7H-Benz[de]anthracen-7-one**

Synonym(s): Benzanthrone. Mesobenzanthrone



CAS Registry Number: 82-05-3

Molecular Formula: C₁₇H₁₀O

Molecular Weight: 230.265

Accurate Mass: 230.073165

Percentage Composition: C 88.67%; H 4.38%; O 6.95%

Physical Description: Yellow needles (xylene or EtOH)

pKa Value: pK_a -3.2 (H₂SO₄ aq.)

Other Data: Orange-red soln. with olive-green fluor. in H₂SO₄

Hazard & Toxicity: Eye and skin irritant. LD₅₀ (rat, ipr) 1500 mg/kg

Aldrich: B260-8

Rare Chemicals Library: S26549-7

>>Derivative: Oxime

Molecular Formula: C₁₇H₁₁NO

Molecular Weight: 245.28

Accurate Mass: 245.084064

Percentage Composition: C 83.25%; H 4.52%; N 5.71%; O 6.52%

Physical Description: Pale-yellow cryst. (EtOH)

Melting Point: Mp 171°

References:

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Frank, H.G. *et al.*, *Chem. Ber.*, 1966, **99**, 3298, (uv)

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