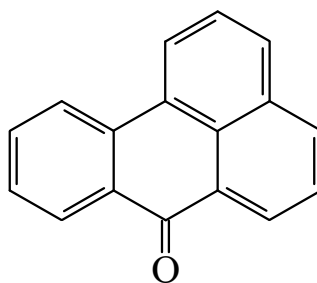




>>Entry Name: 7H-Benz[de]anthracen-7-one

Synonym(s): Benzanthrone. Mesobenzanthrone



CAS Registry Number: 82-05-3

Molecular Formula: C<sub>17</sub>H<sub>10</sub>O

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<sub>a</sub> -3.2 (H<sub>2</sub>SO<sub>4</sub> aq.)

Other Data: Orange-red soln. with olive-green fluor. in H<sub>2</sub>SO<sub>4</sub>

Hazard & Toxicity: Eye and skin irritant. LD<sub>50</sub> (rat, ipr) 1500 mg/kg

Aldrich: B260-8

Rare Chemicals Library: S26549-7

>>Derivative: Oxime

Molecular Formula: C<sub>17</sub>H<sub>11</sub>NO

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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Scholl, R. *et al.*, *Annalen*, 1912, **394**, 111, (synth)

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

Craig, J.T. *et al.*, *Aust. J. Chem.*, 1972, **25**, 837, (synth, nmr)

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