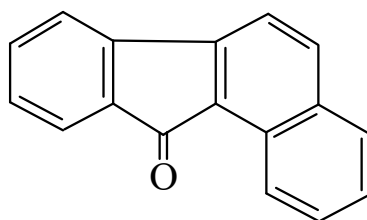




>>Entry Name: Benzo[a]fluoren-11-one

Synonym(s): 1,2-Benzofluorenone. Chrysofluorenone. Chrysoketone



CAS Registry Number: 479-79-8

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 or orange-red prisms

Melting Point: Mp 132-135°

Boiling Point: Bp₃ 210-235° (lit. gives a pressure range)

>>Derivative: Oxime

CAS Registry Number: 18798-74-8

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: Golden-yellow plates (EtOH or C₆H₆)

Melting Point: Mp 202 dec.°

>>Derivative: Semicarbazone

Physical Description: Cryst. (Py)

Melting Point: Mp 263.5-266.5 dec.°

>>Derivative: 2,4-Dinitrophenylhydrazone

Physical Description: Red cryst. (Py)

Melting Point: Mp 325-326 dec.°

References:

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