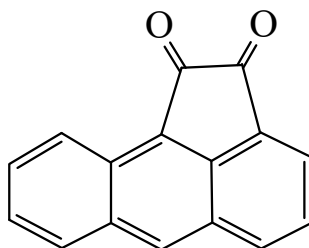




>>Entry Name: Aceanthrenequinone

Synonym(s): 1,2-Aceanthrylenedione, 9Cl. 1,2-Aceanthrenedione, 8Cl. 3,4-Benzacenaphthenequinone



CAS Registry Number: 6373-11-1

Molecular Formula: $C_{16}H_8O_2$

Molecular Weight: 232.238

Accurate Mass: 232.05243

Percentage Composition: C 82.75%; H 3.47%; O 13.78%

Physical Description: Red prisms (C_6H_6)

Melting Point: Mp 270°

Solubility: Spar. sol. EtOH, AcOH

Other Data: Subl. readily

Aldrich: 32797-2

>>Derivative: Monoxime

Molecular Formula: $C_{16}H_9NO_2$

Molecular Weight: 247.253

Accurate Mass: 247.063329

Percentage Composition: C 77.72%; H 3.67%; N 5.66%; O 12.94%

Physical Description: Yellow prisms (AcOH)

Melting Point: Mp 251 dec.°

>>Derivative: Monophenylhydrazone

Physical Description: Orange needles (C_6H_6)

Melting Point: Mp 203°

References:

- Liebermann, C. *et al.*, *Ber.*, 1911, **44**, 202, (*synth*)
Bergmann, E.D. *et al.*, *J.O.C.*, 1958, **23**, 907, (*synth*)
Taga, J., *CA*, 1963, **59**, 5943d, (*uv, ir*)
Klingsberg, E. *et al.*, *J.O.C.*, 1975, **40**, 366, (*bibl*)
Chang, S.J. *et al.*, *J.O.C.*, 1982, **47**, 4226, (*synth*)