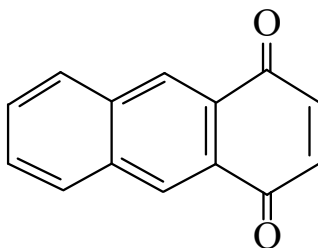




>>Entry Name: 1,4-Anthraquinone

Synonym(s): 1,4-Anthracenedione, 9CI



CAS Registry Number: 635-12-1

Molecular Formula: C₁₄H₈O₂

Molecular Weight: 208.216

Accurate Mass: 208.05243

Percentage Composition: C 80.76%; H 3.87%; O 15.37%

Physical Description: Yellow needles (EtOH or C₆H₆/petrol); yellow plates (CHCl₃/petrol)

Melting Point: Mp 218°. Mp 219-233° (prior darkening at 200-210°)

Rare Chemicals Library: S5968-5

>>Derivative: Oxime

Synonym(s): 1-Hydroxy-4-nitrosoanthracene

CAS Registry Number: 31619-42-8

Molecular Formula: C₁₄H₉NO₂

Molecular Weight: 223.231

Accurate Mass: 223.063329

Percentage Composition: C 75.33%; H 4.06%; N 6.27%; O 14.33%

Physical Description: Brown needles

Melting Point: Mp 233 dec.° (darkening at 205°)

Solubility: Spar. sol. org. solvs.

Other Data: Blue soln. in H₂SO₄

References:

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Cava, M.P. *et al.*, *J.A.C.S.*, 1959, **81**, 6458, (*synth*)

Gupta, D.N. *et al.*, *J.C.S. Perkin 1*, 1981, 689, (*synth, uv, pmr*)

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