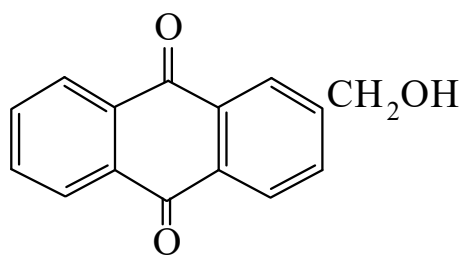




>>Entry Name: 2-(Hydroxymethyl)anthraquinone

Synonym(s): 2-(Hydroxymethyl)-9,10-anthracenedione, 9CI



CAS Registry Number: 17241-59-7

Molecular Formula: C₁₅H₁₀O₃

Molecular Weight: 238.242

Accurate Mass: 238.062995

Percentage Composition: C 75.62%; H 4.23%; O 20.15%

Biological Source: Isol. from roots and rhizomes of *Morinda parvifolia*. Isol. from teak (*Tectona grandis*)

Use/Importance: Reagent for protecting carboxyl functions

Physical Description: Yellow prisms (H₂O)

Melting Point: Mp 198-201° (175-176°)

Solubility: BERDY SOL: Sol. MeOH, CHCl₃; poorly sol. H₂O

UV: [neutral] λ_{max} 255 (ε 39800); 268 (ε 20000); 275 (ε 15500); 324 (ε 4000) (cyclohexane) (Berdy)

Aldrich: 22652-1

Fluka: 55614

Sigma: H3262

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 86C, (*ir*)

Rudman, P., *Chem. Ind. (London)*, 1960, 1356-1357, (*isol*)

Kemp, D.S. *et al.*, *Tet. Lett.*, 1977, 1031-1034, (*use*)

Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1980, **8**, 252, (*synth, use*)

Chang, P. *et al.*, *Phytochemistry*, 1984, **23**, 1733-1736, (*isol*)

Jiang, H. *et al.*, *J.C.S. Perkin 2*, 2000, 925-930, (*synth*)