



>>Entry Name: **1,8-Dichloroanthraquinone**, 8Cl

Synonym(s): 1,8-Dichloro-9,10-anthracenedione, 9Cl. 1,8-Dichloro-9,10-dihydro-9,10-dioxoanthracene

CAS Registry Number: 82-43-9

Molecular Formula: C₁₄H₆Cl₂O₂

Molecular Weight: 277.106

Accurate Mass: 275.974484

Percentage Composition: C 60.68%; H 2.18%; Cl 25.59%; O 11.55%

Use/Importance: Dye intermediate

Physical Description: Pale-yellow needles (PhNO₂)

Melting Point: Mp 201-202°

Hazard & Toxicity: Eye irritant

Aldrich: D5640-3

References:

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

Aldrich Library of NMR Spectra, 2nd edn., 1983, **2**, 90C, (*nmr*)

U.S. Pat., 1930, 1 761 620; *CA*, **24**, 3520, (*synth*)

Goldberg, A.A., *J.C.S.*, 1931, 177, (*synth*)

Nepras, M. *et al.*, *Coll. Czech. Chem. Comm.*, 1963, **28**, 2706, (*uv*)

Volkov, A.F. *et al.*, *J. Struct. Chem. (Engl. Transl.)*, 1975, **16**, 296, (*cryst struct*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, DEO750