



>>Entry Name: Anthraquinone-2,7-disulfonic acid

Synonym(s): 9,10-Dihydro-9,10-dioxo-2,7-anthracenedisulfonic acid, 9Cl, 8Cl

CAS Registry Number: 84-49-1

Molecular Formula: C₁₄H₈O₈S₂

Molecular Weight: 368.344

Accurate Mass: 367.96606

Percentage Composition: C 45.65%; H 2.19%; O 34.75%; S 17.41%

Physical Description: Yellow cryst.

Melting Point: Mp 299°

Solubility: V. sol. H₂O; sol. EtOH; insol. Et₂O, C₆H₆

>>Derivative: Di-Na salt

CAS Registry Number: 853-67-8

Physical Description: Brownish-yellow needles + 4H₂O

Solubility: Sol. H₂O

>>Derivative: Dichloride

CAS Registry Number: 36003-56-2

Molecular Formula: C₁₄H₆Cl₂O₆S₂

Molecular Weight: 405.235

Accurate Mass: 403.898284

Percentage Composition: C 41.50%; H 1.49%; Cl 17.50%; O 23.69%; S 15.83%

Physical Description: Yellow needles (CHCl₃)

Melting Point: Mp 186°

References:

Fierz-David, H.E., *Helv. Chim. Acta*, 1927, **10**, 219, (*synth*)

Lauer, K., *J. Prakt. Chem.*, 1931, **130**, 185, (*synth*)

Kolesnik, Yu.A. *et al.*, *CA*, 1967, **66**, 37202, (*uv, ir*)

Kolesnik, Yu.A. *et al.*, *CA*, 1967, **67**, 99896, (*isol*)

Hunter, A. *et al.*, *J. Chromatogr.*, 1985, **319**, 319, (*hplc*)