



>>Entry Name: 4-Hydroxy-2,7-naphthalenedisulfonic acid, 9Cl

Synonym(s): 1-Naphthol-3,6-disulfonic acid. Violet acid

CAS Registry Number: 578-85-8

Related CAS Registry Numbers(s): 20349-39-7

Molecular Formula: C₁₀H₈O₇S₂

Molecular Weight: 304.301

Accurate Mass: 303.971145

Percentage Composition: C 39.47%; H 2.65%; O 36.80%; S 21.08%

pKa Value: pK_a 8.56

>>Derivative: Dichloride

Molecular Formula: C₁₀H₆Cl₂O₅S₂

Molecular Weight: 341.192

Accurate Mass: 339.903369

Percentage Composition: C 35.20%; H 1.77%; Cl 20.78%; O 23.45%; S 18.80%

Melting Point: Mp 95-96°

References:

Seeboth, H., *Monatsber. Dtsch. Akad. Wiss. Berlin*, 1961, **3**, 43, (*synth*)

Kolsek, J. *et al.*, *Z. Anorg. Allg. Chem.*, 1961, **183**, 119

Korneva, E.O. *et al.*, *CA*, 1965, **63**, 1743g, (*synth*)

Raisanen, K. *et al.*, *Z. Naturforsch., B*, 1977, **32**, 818, (*cmr*)

Dixon, W.T. *et al.*, *J.C.S. Perkin 2*, 1978, 779, (*epr*)