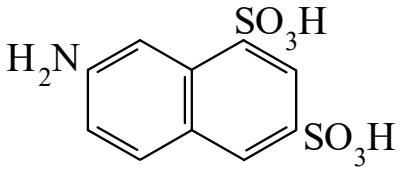
>>**Entry Name: 7-Amino-1,3-naphthalenedisulfonic acid,** 9CI
Synonym(s): 2-Naphthylamine-6,8-disulfonic acid. Amido G acid. Amino G acid



CAS Registry Number: 86-65-7
Related CAS Registry Numbers(s): 842-15-9

Molecular Formula: $C_{10}H_9NO_6S_2$
Molecular Weight: 303.316
Accurate Mass: 302.987129
Percentage Composition: C 39.60%; H 2.99%; N 4.62%; O 31.65%; S 21.14%
Use/Importance: Acid-base fluorescent indicator (pH 12-14) used as an aq. soln. of salt. Dyestuff intermed.
Physical Description: Needles + $4H_2O$ (H_2O)
Solubility: Sol. H_2O
Hazard & Toxicity: Exp. neoplastigenic data

>>**Derivative:** Diethylamine salt

Melting Point: Mp 273-275 dec.°

>>**Derivative:** *S*-Benzylisothiouronium salt

Physical Description: Cryst. + $8H_2O$ (H_2O)
Melting Point: Mp 276 dec.°

References:

Armstrong, H.E. *et al.*, *Proc. Chem. Soc., London*, 1890, **6**, 128
Dressel, O. *et al.*, *Ber.*, 1894, **27**, 2152
Bucherer, H.T.*, J. Prakt. Chem.*, 1904, **70**, 358
Fierz-David, H.E. *et al.*, *Helv. Chim. Acta*, 1923, **6**, 1146
Ofitzerov, V.V.*, CA*, 1935, **29**, 1086; 2530
Déribéré, E.*, Fresenius' Z. Anal. Chem.*, 1939, **116**, 341, *(use, ind)*
Bishop, E.*, Indicators*, Pergamon, Oxford, 1972, *(use, ind)*
Lewis, R.J.*, Sax's Dangerous Properties of Industrial Materials, 8th edn., Van Nostrand Reinhold*, 1992, NBE850