>>**Entry Name: 2-Amino-1-naphthalenesulfonic acid,** 9CI
Synonym(s): 2-Naphthylamine-1-sulfonic acid. Tobias' acid

CAS Registry Number: 81-16-3

Molecular Formula: $C_{10}H_9NO_3S$
Molecular Weight: 223.252
Accurate Mass: 223.030314
Percentage Composition: C 53.80%; H 4.06%; N 6.27%; O 21.50%; S 14.36%
Use/Importance: Dyestuff intermediate, low acute mammalian toxicity
Physical Description: Anhydrous flakes (hot H_2O) or hydrated needles (cold H_2O)
pKa Value: pK_a 2.35 (25°)
Hazard & Toxicity: Eye irritant

Aldrich: 29113-7
Fluka: 70840
Rare Chemicals Library: S59099-1

>>**Derivative:** Benzoylguanidine salt

Melting Point: Mp 185-186°

References:

Erdmann, H., *Annalen*, 1893, **275**, 274, *(synth)*
Green, A.G. *et al.*, *J.C.S.*, 1918, **113**, 40
Schriever, K. *et al.*, *Chem. Ber.*, 1958, **91**, 414
Caullet, C. *et al.*, *CA*, 1967, **67**, 58864, *(ir)*
Franc, J. *et al.*, *J. Chromatogr.*, 1979, **70**, 89, *(chromatog)*
Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials, 8th edn., Van Nostrand Reinhold*, 1992, ALH750