



>>Entry Name: **3-Amino-1,5-naphthalenedisulfonic acid**, 9CI

Synonym(s): 2-Naphthylamine-4,8-disulfonic acid. **C-Acid**‡

CAS Registry Number: 131-27-1

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%

Physical Description: Prisms

Hazard & Toxicity: Eye irritant

>>Derivative: Na salt

CAS Registry Number: 14170-43-5

Physical Description: Needles

Solubility: Sol. hot H_2O

>>Derivative: S-Benzylthiuronium salt

Physical Description: Cryst. $+H_2O$

Melting Point: Mp 209-211 dec.°

References:

Friedländer, P. *et al.*, *Ber.*, 1893, **6**, 3033

Ger. Pat., 1976, 2 536 914; *CA*, **84**, 164532

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, ALH250