



>>Entry Name: **6-Amino-1,3-naphthalenedisulfonic acid**, 9CI
Synonym(s): 2-Naphthylamine-5,7-disulfonic acid. Amino-J acid

CAS Registry Number: 118-33-2

Molecular Formula: C₁₀H₉NO₆S₂

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: Intermed. for azo dyes

Physical Description: Rhombic needles + 5H₂O (H₂O)

Solubility: Sol. H₂O

Hazard & Toxicity: Skin and eye irritant. LD₅₀ (rat, orl) 2000 mg/kg

Rare Chemicals Library: S51843-3

>>Derivative: Mono-Na salt

Physical Description: Needles + 4H₂O

Solubility: Sol. H₂O

>>Derivative: Mono-K salt

Physical Description: Prisms + 4H₂O

Solubility: Sol. H₂O

References:

Armstrong, H.E. *et al.*, *Proc. Chem. Soc., London*, 1890, **6**, 129

Dressel, O. *et al.*, *Ber.*, 1894, **27**, 1197

Fierz-David, H.E. *et al.*, *Helv. Chim. Acta*, 1923, **6**, 1146, (synth)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, ALH500