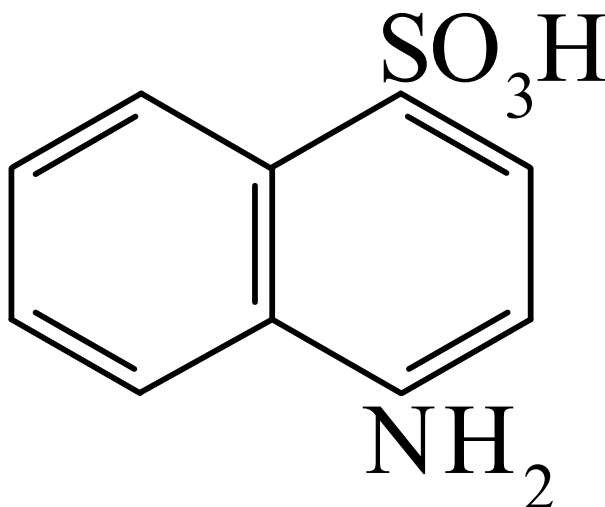




>>Entry Name: **4-Amino-1-naphthalenesulfonic acid**, 9CI

Synonym(s): 1-Naphthylamine-4-sulfonic acid. Naphthionic acid



CAS Registry Number: 84-86-6

Related CAS Registry Numbers(s): 123333-48-2

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

Biological Use/Importance: Haemostatic agent

Physical Description: Needles + $\frac{1}{2}$ H_2O (H_2O)

Solubility: Spar. sol. H_2O with blue fluor., sol. MeOH

pKa Value: pK_a 2.68 (25°)

Other Data: Na salt used as haemostatic agent

Hazard & Toxicity: LD_{50} (mus, ipr) 300 mg/kg

Aldrich: 25061-9

Fluka: 70790

Rare Chemicals Library: S57090-7

>>Derivative: Na salt

CAS Registry Number: 130-13-2

Use/Importance: Used as an aq. soln. as acid-base fluorescent indicator (pH range: 3-4; colour change: non fl. →blue; pH range: 10-12; colour change: blue→yellow-green)