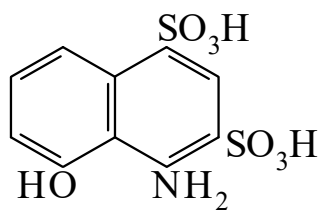




>>Entry Name: 4-Amino-5-hydroxy-1,3-naphthalenedisulfonic acid, 9CI

Synonym(s): Chicago acid



CAS Registry Number: 82-47-3

Related CAS Registry Numbers(s): 16781-09-2 52789-62-5 57248-90-5

Molecular Formula: $C_{10}H_9NO_7S_2$

Molecular Weight: 319.316

Accurate Mass: 318.982044

Percentage Composition: C 37.61%; H 2.84%; N 4.39%; O 35.07%; S 20.08%

Physical Description: Cryst.

pKa Value: pK_{a1} 2.9; pK_{a2} 8.6

Other Data: Alkaline soln. shows green fluor.

References:

Dressel, O. *et al.*, *Ber.*, 1894, **27**, 2137-2154, (*synth*)

Koepernik, H. *et al.*, *J. Prakt. Chem.*, 1983, **325**, 1002-1010, (*uv*)

Freeman, H.S. *et al.*, *Dyes Pigm.*, 1989, **10**, 247-257, (*pmr*)