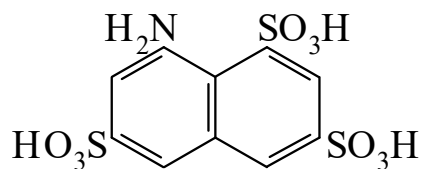




>>Entry Name: **8-Amino-1,3,6-naphthalenetrisulfonic acid**, 9CI

Synonym(s): 1-Naphthylamine-3,6,8-trisulfonic acid. Amino-H acid. T-Acid. ANTS



CAS Registry Number: 117-42-0

Related CAS Registry Numbers(s): 901-79-1 68808-57-1

Molecular Formula: C₁₀H₉NO₉S₃

Molecular Weight: 383.38

Accurate Mass: 382.943944

Percentage Composition: C 31.33%; H 2.37%; N 3.65%; O 37.56%; S 25.09%

Use/Importance: Fluorescent label for sugars. Azo dye intermed.

pKa Value: pK_a 3.65

>>Derivative: Aniline salt

Physical Description: Prisms (H₂O)

Melting Point: Mp 312°

References:

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

Japan. Pat., 1974, 74 127 956; *CA*, **82**, 155962, (*synth*)

Jackson, P., *Biochem. J.*, 1990, **270**, 705, (*use*)

Tan, G.T. *et al.*, *J. Med. Chem.*, 1992, **35**, 4846, (*purifn*)