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>>Entry Name: 7-Amino-2-naphthalenesulfonic acid, 9CI

Synonym(s): 2-Naphthylamine-7-sulfonic acid. **Bayer acid**‡. Amido F acid. δ Acid. Amino F acid. Cassella's acid F. Delta acid

CAS Registry Number: 494-44-0

Molecular Formula: C<sub>10</sub>H<sub>9</sub>NO<sub>3</sub>S

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

Physical Description: Needles + 1H<sub>2</sub>O

Solubility: V. spar. cold H<sub>2</sub>O; spar. sol. hot

pKa Value: pK<sub>a</sub> 3.99 (25°)

Other Data: Reddish-violet fluor. in soln.

Rare Chemicals Library: S70678-7

>>Derivative: Na salt

CAS Registry Number: 5412-82-8

Physical Description: Needles + 4H<sub>2</sub>O

Solubility: Mod. sol. H<sub>2</sub>O

>>Derivative: Benzoylguanidine salt

Melting Point: Mp 177-179°

#### References:

- Green, A.G. *et al.*, *J.C.S.*, 1918, **113**, 38, (*synth*)  
Collonge, J. *et al.*, *Bull. Soc. Chim. Fr.*, 1957, 1043, (*chromatog*)  
Schriever, K. *et al.*, *Chem. Ber.*, 1958, **91**, 414  
Kirsche, C. *et al.*, *Bull. Soc. Chim. Fr.*, 1975, 101  
Franc, J. *et al.*, *J. Chromatogr.*, 1979, **70**, 89, (*chromatog*)