



>>Entry Name: 2-Amino-5-methylbenzenesulfonic acid, 9CI

Synonym(s): 4-Aminotoluene-3-sulfonic acid, 8CI. *p*-Toluidine-2-sulfonic acid. *p*-Methylaniline-2-sulfonic acid

CAS Registry Number: 88-44-8

Molecular Formula: C₇H₉NO₃S

Molecular Weight: 187.219

Accurate Mass: 187.030314

Percentage Composition: C 44.91%; H 4.85%; N 7.48%; O 25.64%; S 17.13%

Physical Description: Needles + ½ H₂O

Hazard & Toxicity: Severe eye irritant. LD₅₀ (rat, orl) 11700 mg/kg

Aldrich: 21876-6

Rare Chemicals Library: S41233-3

>>Derivative: Amide

Molecular Formula: C₇H₁₀N₂O₂S

Molecular Weight: 186.234

Accurate Mass: 186.046298

Percentage Composition: C 45.15%; H 5.41%; N 15.04%; O 17.18%; S 17.22%

Melting Point: Mp 155-156°

>>Derivative: Diethylamide

Molecular Formula: C₁₁H₁₈N₂O₂S

Molecular Weight: 242.341

Accurate Mass: 242.108898

Percentage Composition: C 54.52%; H 7.49%; N 11.56%; O 13.20%; S 13.23%

Melting Point: Mp 143°

References:

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Shimiza, H. *et al.*, *Occup. Health Chem. Ind. Proc. Int. Congr. 11th*, 1983, 1984, 497, (*pharmacol*)

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