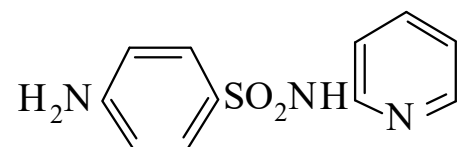




>>Entry Name: Sulfapyridine, INN

Synonym(s): 4-Amino-*N*-2-pyridinylbenzenesulfonamide, 9Cl. *N*'-2-Pyridylsulfanilamide, 8Cl. 2-Sulfanilamidopyridine. M



CAS Registry Number: 144-83-2

Molecular Formula: C₁₁H₁₁N₃O₂S

Molecular Weight: 249.293

Accurate Mass: 249.057197

Percentage Composition: C 53.00%; H 4.45%; N 16.86%; O 12.84%; S 12.86%

Source/Synthesis: Metab. of Sulfasalazine [HGX80-V](#)

Use/Importance: Sulfonamide. Formerly in extensive use as antibacterial agent, low acute toxicity

Physical Description: Yellowish-white powder, darkens on exposure to light

Melting Point: Mp 191-193°

Solubility: V. spar. sol. H₂O

Calculated Log P Data: Log P 0.84 (calc)

Hazard & Toxicity: Exp. reprod. effects

Rare Chemicals Library: S55962-8

Sigma: S6252

References:

- Winterbottom, R., *J.A.C.S.*, 1940, **62**, 160, (*synth*)
Wien, R. *et al.*, *J. Pharmacol. Exp. Ther.*, 1945, **84**, 203; 211, (*metab, tox*)
Fales, H.M. *et al.*, *Arch. Mass Spectral Data*, 1971, **2**, 668, (*ms*)
Seydel, J.K. *et al.*, *Arzneim.-Forsch.*, 1971, **21**, 187, (*synth, pharmacol*)
Edwards, D., *J. Pharm. Pharmacol.*, 1971, **23**, 956, (*ir*)
Chang, C.J. *et al.*, *J. Med. Chem.*, 1975, **18**, 505, (*pmr*)
Bult, A., *Pharm. Weekbl., Sci. Ed.*, 1983, **5**, 77, (*cmr, tautom*)
Basak, A.K. *et al.*, *Acta Cryst. C*, 1984, **40**, 1848, (*cryst struct*)
Hoult, J.R.S., *Drugs*, 1986, **32**, 18, (*rev*)
Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 6th edn., Akademie-Verlag, 1987, 1886
Bernstein, J., *Acta Cryst. C*, 1988, **44**, 900, (*cryst struct*)
Kirk-Othmer Encycl. Chem. Technol., 4th edn., Wiley, 1991, **2**, 876, (*rev*)
Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 210
Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, PPO000