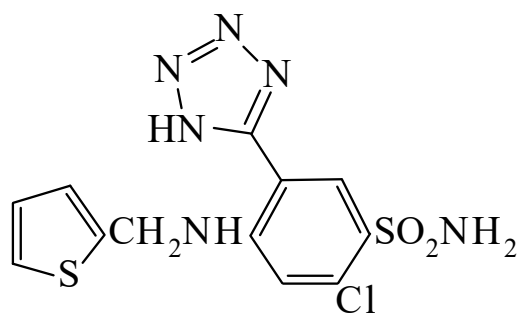




>>Entry Name: Azosemide, INN, USAN

Synonym(s): 2-Chloro-5-(1*H*-tetrazol-5-yl)-*N*⁴-2-thienylsulfanilamide, 8Cl. Azadol. Diurapid. Ple 1053. SK 110



CAS Registry Number: 27589-33-9

Molecular Formula: C₁₂H₁₁ClN₆O₂S₂

Molecular Weight: 370.843

Accurate Mass: 370.007341

Percentage Composition: C 38.87%; H 2.99%; Cl 9.56%; N 22.66%; O 8.63%; S 17.29%

Use/Importance: Diuretic, saluretic

Physical Description: Cryst.

Development Status: Launched 1986

Melting Point: Mp 218-221°

Calculated Log P Data: Log P 1.25 (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 2545 mg/kg. Exp. teratogenic effects

References:

- Ger. Pat.*, 1970, *Boehringer Mannheim*, 1 815 922; *CA*, **73**, 45519z, (*synth, pharmacol*)
Krueck, F. *et al.*, *Eur. J. Clin. Pharmacol.*, 1978, **14**, 153, (*pharmacol*)
Seiwell, R. *et al.*, *J. Chromatogr.*, 1980, **182**, 257, (*hplc*)
Greven, J. *et al.*, *Arzneim.-Forsch.*, 1981, **31**, 346; 350, (*pharmacol*)
Kuzuya, F., *Int. J. Clin. Pharmacol., Ther. Toxicol.*, 1983, **21**, 10, (*pharmacol*)
Lee, S.H. *et al.*, *J. Chromatogr., B: Biomed. Appl.*, 1994, **656**, 367, (*hplc*)
Park, K.J. *et al.*, *J. Pharm. Pharmacol.*, 1996, **48**, 1093, (*pharmacokinet*)
Martindale, The Extra Pharmacopoeia, 31st edn., *Pharmaceutical Press*, 1996, 828
Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., *Van Nostrand Reinhold*, 1992, ASO375