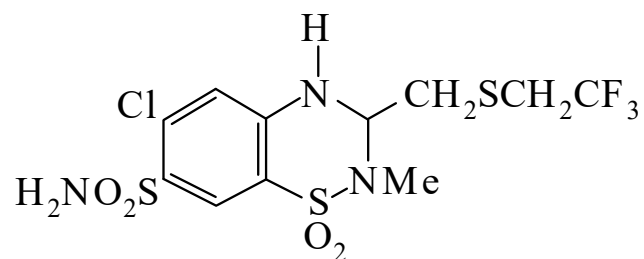




>>Entry Name: Polythiazide, BAN, INN, USAN

Synonym(s): 6-Chloro-3,4-dihydro-2-methyl-3-[[[(2,2,2-trifluoroethyl)thio]methyl]-2H-1,2,4-benzothiadiazine-7-sulfonamide 1,1-dioxide, 9Cl, 8Cl. Diuremade. Drenusil. Lotense. Nephril. Polyregulon. Renese. Toleran. NSC 108161. P 2525



CAS Registry Number: 346-18-9

Molecular Formula: C₁₁H₁₃ClF₃N₃O₄S₃

Molecular Weight: 439.887

Accurate Mass: 438.970878

Percentage Composition: C 30.04%; H 2.98%; Cl 8.06%; F 12.96%; N 9.55%; O 14.55%; S 21.87%

Use/Importance: Diuretic, antihypertensive agent

Hazard & Toxicity: LD₅₀ (dog, orl) 450 mg/kg

>>Variant: (±)-form

Molecular Formula: C₁₁H₁₃ClF₃N₃O₄S₃

Molecular Weight: 439.887

Accurate Mass: 438.970878

Percentage Composition: C 30.04%; H 2.98%; Cl 8.06%; F 12.96%; N 9.55%; O 14.55%; S 21.87%

Melting Point: Mp 207-208°

Solubility: Insol. H₂O; sol. dil. alkali

Calculated Log P Data: Log P 2.19 (calc)

References:

- Scriabine, A. *et al.*, *Proc. Soc. Exp. Biol. Med.*, 1961, **107**, 864, (*pharmacol*)
Spiekerman, R.E. *et al.*, *J. Am. Med. Assoc.*, 1963, **184**, 191, (*pharmacol*)
Oscar, R.S. *et al.*, *J. Assoc. Off. Agric. Chem.*, 1964, **47**, 918, (*ir*)
U.S. Pat., 1964, 3 133 060; *CA*, **61**, 1880c, (*synth*)
Dupont, L. *et al.*, *Acta Cryst. B*, 1970, **26**, 1884, (*cryst struct*)
Kracmar, J. *et al.*, *Cesk. Farm.*, 1971, **20**, 287, (*uv*)
Hobbs, D.C. *et al.*, *Clin. Pharmacol. Ther. (St. Louis)*, 1978, **23**, 241, (*metab*)
Negendra Vara Prasad, T. *et al.*, *Anal. Profiles Drug Subst.*, 1991, **20**, 665, (*rev*)
Martindale, The Extra Pharmacopoeia, 30th edn., *Pharmaceutical Press*, 1993, 826
Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., *Van Nostrand Reinhold*, 1992, PKL250