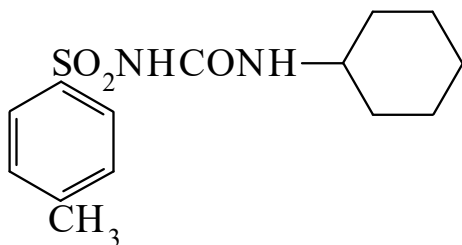




>>Entry Name: Glycyclamide, BAN, INN

Synonym(s): *N*-[(Cyclohexylamino)carbonyl]-4-methylbenzenesulfonamide, 9CI. 1-Cyclohexyl-3-(*p*-tolylsulfonyl)urea, 8CI. Tolcyclamide. Tolhexamide. Adiabil. Griroxil. K-386. Diaborale. Many other names



CAS Registry Number: 664-95-9

Molecular Formula: C₁₄H₂₀N₂O₃S

Molecular Weight: 296.39

Accurate Mass: 296.119463

Percentage Composition: C 56.73%; H 6.80%; N 9.45%; O 16.19%; S 10.82%

Use/Importance: Antihyperglycaemic, antidiabetic agent

Melting Point: Mp 174-176°

Calculated Log P Data: Log P 2.94 (calc)

Hazard & Toxicity: LD₅₀ (rat, ipr) 870 mg/kg. Exp. fetotoxic effects

References:

Logemann, W. *et al.*, *Chem. Ber.*, 1957, **90**, 2527, (*synth*)

Barilyak, I.R., *Farmakol. Toksikol. (Moscow)*, 1965, **28**, 616

El-Kinawy, S.A. *et al.*, *J. Drug Res.*, 1969, **2**, 1; 13, (*uv, ir*)

Deineka, G.K., *Farmakol. Toksikol. (Moscow)*, 1970, **5**, 74, (*pharmacol, tox*)

Goto, S. *et al.*, *Chem. Pharm. Bull.*, 1978, **26**, 472, (*synth*)

Howbert, J.J. *et al.*, *J. Med. Chem.*, 1990, **33**, 2393, (*sar, activity*)

Martindale, *The Extra Pharmacopoeia*, 30th edn., Pharmaceutical Press, 1993, 280

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 7th edn., Akademie-Verlag, 1994, 4164, (*synonyms*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, CPR000