



>>Entry Name: Acetohexamide, BAN, INN, JAN, USAN

Synonym(s): 4-Acetyl-N-[(cyclohexylamino)carbonyl]benzenesulfonamide, 9CI. N-(4-Acetylbenzenesulfonyl)-N'-cyclohexylurea. Antrepar. **Dimelin**†. Dimelor. Dymelor. Gamadiabet. Hipoglicil. Metaglutina. Minoral. Ordimel. Lilly 33006. U 14812



CAS Registry Number: 968-81-0

Molecular Formula: C₁₅H₂₀N₂O₄S

Molecular Weight: 324.4

Accurate Mass: 324.114378

Percentage Composition: C 55.54%; H 6.21%; N 8.64%; O 19.73%; S 9.88%

Biological Use/Importance: Hypoglycaemic agent, oral antidiabetic drug with low acute toxicity

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 188-189°

Calculated Log P Data: Log P 2.25 (calc)

Other Data: Polymorphic

Hazard & Toxicity: Human reprod. effects reported

References:

Marshall, F.J. *et al.*, *J. Med. Chem.*, 1963, **6**, 60, (synth)

Shafer, C.E., *Anal. Profiles Drug Subst.*, 1972, **1**, 1, (rev)

Graf, E. *et al.*, *Pharm. Ind.*, 1984, **46**, 955, (polymorphism)

Al-Badr, A.A. *et al.*, *Anal. Profiles Drug Subst.*, 1992, **21**, 1, (rev)

Martindale, *The Extra Pharmacopoeia*, 30th edn., Pharmaceutical Press, 1993, 277

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, ABB000