Ketazolam
Item No. 11449

CAS Registry No.: 27223-35-4
Formal Name: 11-chloro-8,12b-dihydro-2,8-dimethyl-12b-phenyl-4H-[1,3]oxazino[3,2-d][1,4]benzodiazepine-4,7(6H)-dione
Synonyms: Anseren, Anxon, Contamex, Loftran, NSC 338158, U 28774, Unakalm
MF: C20H17ClN2O3
FW: 368.8
Purity: ≥90%
Stability: ≥2 years at -20°C
Supplied as: A crystalline solid

Laboratory Procedures
For long term storage, we suggest that ketazolam be stored as supplied at -20°C. It should be stable for at least two years. Ketazolam is supplied as a crystalline solid. A stock solution may be made by dissolving the ketazolam in the solvent of choice. Ketazolam is soluble in organic solvents such as DMSO and dimethyl formamide, which should be purged with an inert gas. The solubility of ketazolam in these solvents is approximately 5 mg/ml.

Ketazolam is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, ketazolam should first be dissolved in DMSO and then diluted with the aqueous buffer of choice. Ketazolam has a solubility of approximately 0.5 mg/ml in a 1:1 solution of DMSO:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Benzodiazepines are psychoactive compounds that act as sedatives, hypnotics, anxiolytics, anticonvulsants, and muscle relaxants.1,2 Ketazolam is a benzodiazepine derivative that was used as an anxiolytic in the 1980s.3,4 Tolerance within fifteen days, physical dependence, and benzodiazepine withdrawal syndrome are associated with ketazolam use.5 This product is intended for forensic purposes.

References

Related Products
For a list of related products please visit: www.caymanchem.com/catalog/11449