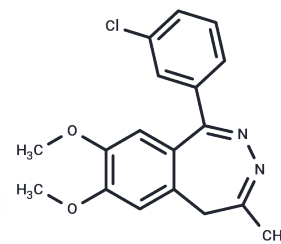


Girisopam

Chemical Properties

CAS No. :	82230-53-3
Formula:	C ₁₈ H ₁₇ ClN ₂ O ₂
Molecular Weight:	328.79
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Girisopam is a novel selective benzodiazepine analog for the 2,3-benzodiazepine binding site, an atypical psychoanalytic with anxiolytic effects.
Targets(IC50)	Others
In vivo	Girisopam (100 mg; oral; male subjects) After a 20-min delay, girisopam is rapidly absorbed. After reaching a mean serum level of 178 ng/ml at a mean time of 2.0 h, the serum concentration of girisopam decreased with a mean elimination half-time of 22.2 h.[1]

Solubility Information

Solubility	DMSO: 4.23 mg/mL (12.87 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0415 mL	15.2073 mL	30.4146 mL
5 mM	0.6083 mL	3.0415 mL	6.0829 mL
10 mM	0.3041 mL	1.5207 mL	3.0415 mL
50 mM	0.0608 mL	0.3041 mL	0.6083 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Tomori E, et al. Pharmacokinetic and metabolism studies on girisopam by chromatographic and spectrometric methods in humans. *J Chromatogr.* 1992;578(1):91-101.
- Dereszlay I, et al. Study of the bone marrow penetration of radioactivity after oral administration of radiolabelled girisopam (EGIS-5810) in mice. *Acta Physiol Hung.* 1997;85(2):139-148.
- Horváth K, et al. Anxiolytic profile of girisopam and GYKI 52,322 (EGIS 6775). Comparison with chlordiazepoxide and buspirone. *Acta Physiol Hung.* 1992;79(2):153-161.
- Horváth EJ, et al. Changes in specific binding sites of girisopam after chemical and surgical lesions in the striato-nigral system. *Brain Res Mol Brain Res.* 1997;45(1):141-14

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