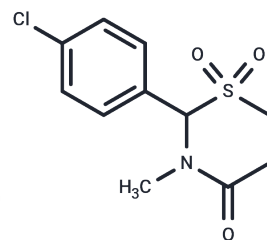


Chlormezanone

Chemical Properties

CAS No. :	80-77-3
Formula:	C ₁₁ H ₁₂ ClNO ₃ S
Molecular Weight:	273.74
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Chlormezanone (Trancopal) is a non-benzodiazepine that is used in the management of anxiety. It has been suggested for use in the treatment of muscle spasm.
Targets(IC50)	GABA Receptor

Solubility Information

Solubility	Ethanol: 6.8 mg/mL (24.84 mM), Sonication is recommended. DMSO: 27.4 mg/mL (100.09 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2.5 mg/mL (9.13 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6531 mL	18.2655 mL	36.531 mL
5 mM	0.7306 mL	3.6531 mL	7.3062 mL
10 mM	0.3653 mL	1.8266 mL	3.6531 mL
50 mM	0.0731 mL	0.3653 mL	0.7306 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

Overington JP, et al. Nat Rev Drug Discov. 2006 Dec;5(12):993-6.

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