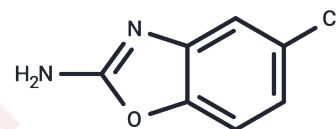


Zoxazolamine

Chemical Properties

CAS No. :	61-80-3
Formula:	C7H5ClN2O
Molecular Weight:	168.58
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	Zoxazolamine (NSC-24995) is a uricosuric and muscle relaxant. Zoxazolamine acts centrally as a muscle relaxant, but the mechanism of its action is not understood.
Targets(IC50)	Others,Cytochromes P450
In vivo	Zoxazolamine, a biologically active 2-amino-2-oxazole compound, functions as a central muscle relaxant by diminishing the activity between central neurons. It is not an anxiolytic; instead, it reduces dopaminergic turnover and induces a pacemaker-like discharge pattern in dopaminergic neurons. Zoxazolamine is also utilized in assessing hepatic cytochrome P-450 activity.

Solubility Information

Solubility	DMSO: 32 mg/mL (189.82 mM),Sonication is recommended. Ethanol: 32 mg/mL (189.82 mM),Sonication is recommended. H2O: < 1 mg/mL (insoluble or slightly soluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (11.86 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	5.9319 mL	29.6595 mL	59.319 mL
5 mM	1.1864 mL	5.9319 mL	11.8638 mL
10 mM	0.5932 mL	2.966 mL	5.9319 mL
50 mM	0.1186 mL	0.5932 mL	1.1864 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

McMillen BA, et al. J Neural Transm Gen Sect, 1992, 89(1-2), 11-25.

Decken A, et al. J Inorg Biochem. 2005 Feb;99(2):664-7.

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