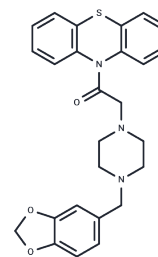


Fenoverine

Chemical Properties

CAS No. :	37561-27-6
Formula:	C ₂₆ H ₂₅ N ₃ O ₃ S
Molecular Weight:	459.56
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	Fenoverine (Spasmopriv) is a novel smooth muscle motor synchronizer with anti-spasmodic activity that inhibits fast and slow Ca ²⁺ channel currents in a concentration-dependent manner and can be used to study gastrointestinal spasms.
Targets(IC50)	Calcium Channel

Solubility Information

Solubility	DMSO: 80 mg/mL (174.08 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: 3.3 mg/mL (7.18 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	2.176 mL	10.880 mL	21.7599 mL
5 mM	0.4352 mL	2.176 mL	4.352 mL
10 mM	0.2176 mL	1.088 mL	2.176 mL
50 mM	0.0435 mL	0.2176 mL	0.4352 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

Mironneau J, et al. Fenoverine inhibition of calcium channel currents in single smooth muscle cells from rat portal vein and myometrium. Br J Pharmacol. 1991 Sep;104(1):65-70.

Chen CW, et al. Rhabdomyolysis induced by fenoverine: a case report and literature review. Acta Neurol Taiwan. 2005 Sep;14(3):143-6.

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