Fenoverine

Cat. No.: HY-107349

CAS No.: 37561-27-6

Molecular Formula: $C_{26}H_{25}N_3O_3S$

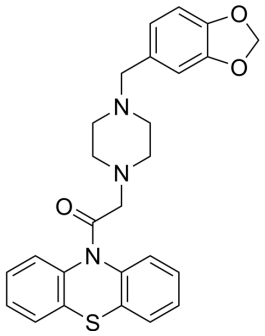
Molecular Weight: 459.56

Target: Calcium Channel

Pathway: Membrane Transporter/Ion Channel; Neuronal Signaling

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (217.60 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.1760 mL	10.8800 mL	21.7599 mL
	5 mM	0.4352 mL	2.1760 mL	4.3520 mL
	10 mM	0.2176 mL	1.0880 mL	2.1760 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: 2.5 mg/mL (5.44 mM); Clear solution; Need ultrasonic
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: 2.5 mg/mL (5.44 mM); Clear solution; Need ultrasonic
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: 2.5 mg/mL (5.44 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

Fenoverine (Spasmopriv) is an antispasmodic agent and inhibits calcium channel currents[1]. Fenoverine induces rhabdomyolysis[2].

REFERENCES

[1]. J Mironneau, 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.

[2]. Chung-Wen Chen, 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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