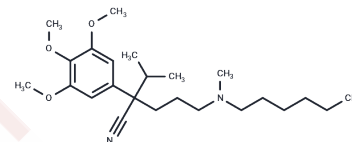


Nexopamil racemate

Chemical Properties

CAS No. :	116759-35-4
Formula:	C ₂₄ H ₄₀ N ₂ O ₃
Molecular Weight:	404.59
Storage:	Store at low temperature 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	Nexopamil racemate((Rac)-Nexopamil) is a racemate of Nexopamil. The Nexopamil racemate has potential anti-asthmatic and anti-ulcer activity.
Targets(IC50)	Calcium Channel,5-HT Receptor
In vitro	In vitro, Nexopamil most potently inhibits serotonin-induced platelet aggregation in dog platelet-rich plasma (PRP) with an IC ₅₀ of 81 nM [1].
In vivo	Within the first 30 minutes after application, Nexopamil (0.05 mg/kg) completely abolishes cyclic flow reductions (CFRs) without significantly altering hemodynamics [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4716 mL	12.3582 mL	24.7164 mL
5 mM	0.4943 mL	2.4716 mL	4.9433 mL
10 mM	0.2472 mL	1.2358 mL	2.4716 mL
50 mM	0.0494 mL	0.2472 mL	0.4943 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

Kirchengast M, et al. Inhibition by the combined Ca²⁺ and 5-HT₂ receptor antagonist nexopamil (LU 49938) of intracoronary thrombus formation in a canine model of arterial stenosis and intimal damage. J Cardiovasc Pharmacol. 1993 Nov;22(5):687-94.

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