

Etripamil

Chemical Properties

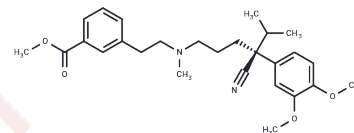
CAS No. : 1593673-23-4

Formula: C₂₇H₃₆N₂O₄

Molecular Weight: 452.59

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Etripamil (MSP-2017) displays atrioventricular nodal conduction and prolongs atrioventricular nodal refractory periods by inhibiting calcium ion influx through the calcium slow channels in the atrioventricular node cells. Etripamil is an antagonist of short-acting L-type calcium-channel. It has a rapid onset of action designed for intranasal administration. It is also used to treat Paroxysmal Supraventricular Tachycardia.
Targets(IC50)	Calcium Channel
In vitro	Etripamil displays atrioventricular nodal conduction and prolongs atrioventricular nodal refractory periods by inhibiting calcium ion influx through the calcium slow channels in the atrioventricular node cells.

Solubility Information

Solubility	Ethanol: 110 mg/mL (243.05 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2095 mL	11.0475 mL	22.0951 mL
5 mM	0.4419 mL	2.2095 mL	4.419 mL
10 mM	0.221 mL	1.1048 mL	2.2095 mL
50 mM	0.0442 mL	0.221 mL	0.4419 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

Stambler BS, et al. Etripamil Nasal Spray for Rapid Conversion of Supraventricular Tachycardia to Sinus Rhythm. J Am Coll Cardiol. 2018 Jul 31;72(5):489-497.

Milestone Pharmaceuticals Announces USAN Approval of Generic Name "Etripamil" for its Phase 2 Clinical Development Product for the Treatment of Paroxysmal Supraventricular Tachycardia.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

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