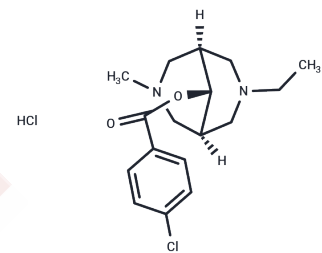


Bisaramil hydrochloride

Chemical Properties

CAS No. :	96480-44-3
Formula:	C ₁₇ H ₂₄ Cl ₂ N ₂ O ₂
Molecular Weight:	359.29
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	Bisaramil hydrochloride (Bisaramil) is a novel diazabicyclononane antiarrhythmic compound that inhibits the generation of free radicals. Bisaramil hydrochloride blocks sodium currents and inhibits the slow Ca(2+) action potential induced by isoproterenol in K(+)-depolarized muscle.
Targets(IC50)	Histone Methyltransferase, Adrenergic Receptor, Potassium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7833 mL	13.9163 mL	27.8327 mL
5 mM	0.5567 mL	2.7833 mL	5.5665 mL
10 mM	0.2783 mL	1.3916 mL	2.7833 mL
50 mM	0.0557 mL	0.2783 mL	0.5567 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

- Pugsley MK, et al. The antiarrhythmic actions of bisaramil and penticainide result from mixed cardiac ion channel blockade. *Biomed Pharmacother.* 2019 Mar;111:427-435.
- Haruno A, et al. Antiarrhythmic effects of bisaramil on triggered arrhythmias produced by intracoronary injection of digitalis and adrenaline in the dog. *Jpn J Pharmacol.* 1995 May;68(1):95-102.
- Sunami A, et al. Electrophysiological properties of a new antiarrhythmic agent, bisaramil on guinea-pig, rabbit and canine cardiac preparations. *Naunyn Schmiedebergs Arch Pharmacol.* 1991 Sep;344(3):323-30.
- Pugsley MK, et al. Tonic and use-dependent block of sodium currents in isolated cardiac myocytes by bisaramil. *Br J Pharmacol.* 1995 Jan;114(2):377-82.

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