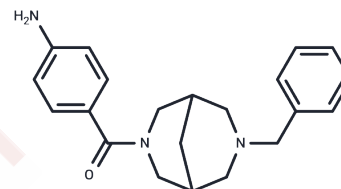


Ambasilide

Chemical Properties

CAS No. :	83991-25-7
Formula:	C ₂₁ H ₂₅ N ₃ O
Molecular Weight:	335.44
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	Ambasilide is a class III antiarrhythmic compound, potassium channel blocker, which acts by altering conductance rather than by affecting the gating mechanism.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9812 mL	14.9058 mL	29.8116 mL
5 mM	0.5962 mL	2.9812 mL	5.9623 mL
10 mM	0.2981 mL	1.4906 mL	2.9812 mL
50 mM	0.0596 mL	0.2981 mL	0.5962 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

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- Koidl B, Flaschberger P, Schaffer P, Pelzmann B, Bernhart E, Mächler H, Rigler B. Effects of the class III antiarrhythmic drug ambasilide on outward currents in human atrial myocytes. *Naunyn Schmiedebergs Arch Pharmacol.* 1996 Jan;353(2):226-32. PubMed PMID: 8717164.
- Baláti B, Iost N, Simon J, Varró A, Papp JG. Analysis of the electrophysiological effects of ambasilide, a new antiarrhythmic agent, in canine isolated ventricular muscle and purkinje fibers. *Gen Pharmacol.* 2000 Feb;34(2):85-93. PubMed PMID: 10974415.
- Kijawornrat A, Hamlin RL, Hamlin DM. Effects of ambasilide in isolated perfused guinea pig heart: use dependence. *Cardiovasc Toxicol.* 2005;5(1):53-62. PubMed PMID: 15738585.

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