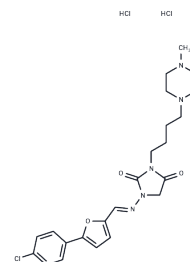


Azimilide Dihydrochloride

Chemical Properties

CAS No. :	149888-94-8
Formula:	C ₂₃ H ₃₀ Cl ₃ N ₅ O ₃
Molecular Weight:	530.88
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	Azimilide Dihydrochloride (NE-10064 Dihydrochloride), a novel class III antiarrhythmic agent, blocks both the slowly activating (IKs) and rapidly activating (IKr) components of the delayed rectifier potassium current
Targets(IC50)	Potassium Channel
In vivo	Azimilide has shown excellent efficacy (>85%) in suppressing supraventricular arrhythmias in a variety of dog models. It also suppressed complex ventricular arrhythmias in infarcted dogs and, in a sudden death cardiac model, decreased mortality[1].

Solubility Information

Solubility	DMSO: 1.33 mg/mL (2.51 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	1.8837 mL	9.4183 mL	18.8366 mL
5 mM	0.3767 mL	1.8837 mL	3.7673 mL
10 mM	0.1884 mL	0.9418 mL	1.8837 mL
50 mM	0.0377 mL	0.1884 mL	0.3767 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

Karam R , Marcello S , Brooks R R , et al. Azimilide Dihydrochloride, a Novel Antiarrhythmic Agent[J]. American Journal of Cardiology, 1998, 81(6-supp-S1):40-46.

Abrol R , Page R L . Azimilide dihydrochloride: a new class III anti-arrhythmic agent[J]. Expert Opinion on Investigational Drugs, 2000, 9(11):2705-2715.

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