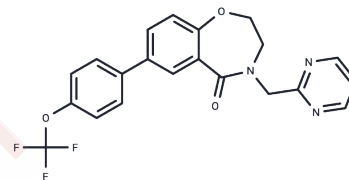


Eleclazine

Chemical Properties

CAS No. :	1443211-72-0
Formula:	C ₂₁ H ₁₆ F ₃ N ₃ O ₃
Molecular Weight:	415.37
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	Eleclazine (GS-6615) is a novel and selective voltage-gated sodium channel inhibitor with antiarrhythmic properties that reduces peak sodium current (I _{NaP}) recorded from human induced pluripotent stem cell-derived cardiomyocytes.
Targets(IC50)	Potassium Channel,Sodium Channel
In vitro	In isolated failing rabbit hearts with ischemia-reperfusion injury, Eleclazine (1μM, 20min perfusion) reduced APD dispersion and accelerated intracellular Ca ²⁺ clearance, suppressing arrhythmogenic alternans. Under therapeutic hypothermia (33°C, 30min), Eleclazine further improved outcomes by reducing ventricular fibrillation (VF) inducibility and severity[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4075 mL	12.0375 mL	24.0749 mL
5 mM	0.4815 mL	2.4075 mL	4.815 mL
10 mM	0.2407 mL	1.2037 mL	2.4075 mL
50 mM	0.0481 mL	0.2407 mL	0.4815 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

Lee HL, Chang PC, Wo HT, Liu HT, Wen MS, Chou CC. Eleclazine Suppresses Ventricular Fibrillation in Failing Rabbit Hearts with Ischemia-Reperfusion Injury Undergoing Therapeutic Hypothermia. *Pharmacology*. 2024 Oct 28:1-14.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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