

F15845 HBr

Chemical Properties

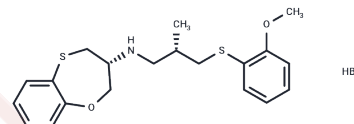
CAS No. : 866760-23-8

Formula: C₂₀H₂₆BrNO₂S₂

Molecular Weight: 456.46

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	F 15845 is a blocker of the persistent sodium current prevents consequences of hypoxia in rat femoral artery. F15845 has been shown to selectively inhibit the persistent sodium current of Nav1.5[1] exerting cardioprotective effects following ischemia. In vitro testing showed minimal effects of F15845 on other important ion channels of the heart, including major Ca ²⁺ and K ⁺ channels.[1] This characteristic is thought to account for the limited effect of F15845 to change other heart parameters such as basal cardiac function, hemodynamic functions and ventricular fibrillation. F15845 was also shown to exert improved effects when the membrane potential was depolarized,[1] by acting on the extracellular side of the channel.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1908 mL	10.9539 mL	21.9077 mL
5 mM	0.4382 mL	2.1908 mL	4.3815 mL
10 mM	0.2191 mL	1.0954 mL	2.1908 mL
50 mM	0.0438 mL	0.2191 mL	0.4382 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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