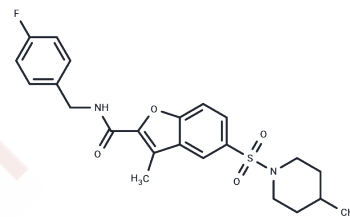


Calcium Channel antagonist 2

Chemical Properties

CAS No. :	874370-15-7
Formula:	C ₂₃ H ₂₅ FN ₂ O ₄ S
Molecular Weight:	444.52
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	Calcium Channel antagonist 2 is a calcium channel antagonist (IC ₅₀ =5-20 μM) that can be used to study diseases due to Ca ²⁺ channels like pain and diabetes.
Targets(IC ₅₀)	Calcium Channel

Solubility Information

Solubility	DMSO: 50 mg/mL (112.48 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	2.2496 mL	11.2481 mL	22.4962 mL
5 mM	0.4499 mL	2.2496 mL	4.4992 mL
10 mM	0.225 mL	1.1248 mL	2.2496 mL
50 mM	0.045 mL	0.225 mL	0.4499 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

Andreas P Termin, et al. Heterocyclic derivatives for modulation of calcium channels. Patent WO2006010008A1.

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