

RY785

Chemical Properties

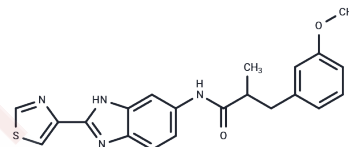
CAS No. : 1393748-80-5

Formula: C₂₁H₂₀N₄O₂S

Molecular Weight: 392.47

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	RY785 is a potent and selective inhibitor of voltage-gated potassium channels, such as KV2.2 (IC ₅₀ = 50 nM). This compound may be used in pain relief studies.
Targets(IC ₅₀)	Potassium Channel,Sodium Channel

Solubility Information

Solubility	DMSO: 60 mg/mL (152.88 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	2.548 mL	12.7398 mL	25.4797 mL
5 mM	0.5096 mL	2.548 mL	5.0959 mL
10 mM	0.2548 mL	1.274 mL	2.548 mL
50 mM	0.051 mL	0.2548 mL	0.5096 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

Herrington J, et al. Identification of novel and selective Kv2 channel inhibitors. Mol Pharmacol. 2011 Dec;80(6):959-64.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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