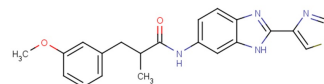


RY785

Chemical Properties

CAS No.: 1393748-80-5
Formula: C₂₁H₂₀N₄O₂S
Molecular Weight: 392.47
Appearance: N/A
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	RY785 is a potent and selective inhibitor of voltage-gated potassium (KV2) channel (IC ₅₀ of 0.05 μM for KV2.2), with analgesic activity.
Targets(IC ₅₀)	voltage-gated potassium (KV2) channel: None

Solubility Information

Solubility	< 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	12.74 mL	25.48 mL
5 mM	0.51 mL	2.548 mL	5.096 mL
10 mM	0.255 mL	1.274 mL	2.548 mL
50 mM	0.051 mL	0.255 mL	0.51 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

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

Inhibitors · Natural Compounds · Compound Libraries

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