

Analgesic agent-2

Chemical Properties

CAS No. :

Formula: C₂₁H₂₁ClF₂N₄O₂

Molecular Weight: 434.87

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	Analgesic Agent-2, a selective orally active inhibitor of the NaV1.8 channel, demonstrates an IC ₅₀ of 50.18 nM in HEK293 cells that stably express the human NaV1.8 channel, indicating its potential for analgesic activity [1].
Targets(IC ₅₀)	Sodium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2995 mL	11.4977 mL	22.9954 mL
5 mM	0.4599 mL	2.2995 mL	4.5991 mL
10 mM	0.230 mL	1.1498 mL	2.2995 mL
50 mM	0.046 mL	0.230 mL	0.4599 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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