

NaV1.7 inhibitor-1

Chemical Properties

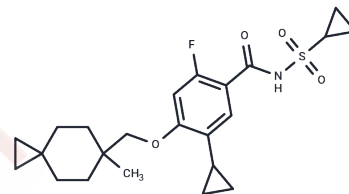
CAS No. : 1494585-79-3

Formula: C₂₃H₃₀FNO₄S

Molecular Weight: 435.55

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	NaV1.7 inhibitor-1, an efficacious inhibitor of voltage-gated sodium channel (NaV) 1.7 (IC ₅₀ of 0.6 nM for hNaV1.7).
Targets(IC ₅₀)	Sodium Channel

Solubility Information

Solubility	DMSO: 90 mg/mL (206.64 mM), Sonication and heating to 60°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2959 mL	11.4797 mL	22.9595 mL
5 mM	0.4592 mL	2.2959 mL	4.5919 mL
10 mM	0.2296 mL	1.148 mL	2.2959 mL
50 mM	0.0459 mL	0.2296 mL	0.4592 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

Sun S, Identification of Selective Acyl Sulfonamide-Cycloalkylether Inhibitors of the Voltage-Gated Sodium Channel (NaV) 1.7 with Potent Analgesic Activity. J Med Chem. 2019 Jan 24;62(2):908-927.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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