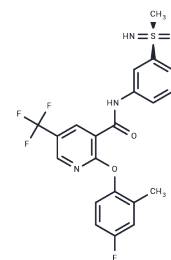


LTGO-33

Chemical Properties

CAS No. : 2834106-06-6
 Formula: C₂₁H₁₇F₄N₃O₃S
 Molecular Weight: 467.44
 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	LTGO-33 is a species-specific inhibitor of the voltage-gated sodium channel NaV1.8, inhibiting NaV1.8, NaV1.1-NaV1.7, and NaV1.9. LTGO-33 inhibits wild-type and multiple NaV1.8 variants associated with human pain disorders and can be used for the study of pain. hBChE-IN-2 is a low affinity Nurr1 agonist.
Targets(IC50)	Sodium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1393 mL	10.6966 mL	21.3931 mL
5 mM	0.4279 mL	2.1393 mL	4.2786 mL
10 mM	0.2139 mL	1.0697 mL	2.1393 mL
50 mM	0.0428 mL	0.2139 mL	0.4279 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

Gilchrist JM, et al. Pharmacologic Characterization of LTGO-33, a Selective Small Molecule Inhibitor of the Voltage-Gated Sodium Channel NaV1.8 with a Unique Mechanism of Action. Mol Pharmacol. 2024 Feb 15;105(3):233-249.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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