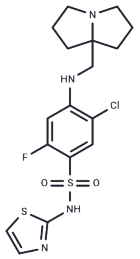
Data Sheet (Cat.No.T12183)

TargetMol

Nav1.7-IN-3

Chemical Properties



CAS No. : 1788872-06-9

Formula: C17H20ClFN4O2S2

Molecular Weight: 430.95

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-IN-3 is a selective and orally bioavailable inhibitor of voltage-gated sodium channel Nav1.7(IC50 of 8 nM).
Targets(IC50)	Others,Sodium Channel
In vivo	Nav1.7-IN-3(compound 5) with excellent potency, selectivity, behavioral efficacy in a rodent pain model, and efficacy in a mouse itch model suggestive of target modulation.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3205 mL	11.6023 mL	23.2045 mL
5 mM	0.4641 mL	2.3205 mL	4.6409 mL
10 mM	0.232 mL	1.1602 mL	2.3205 mL
50 mM	0.0464 mL	0.232 mL	0.4641 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

Roecker AJ, et al. Discovery of selective, orally bioavailable, N-linked arylsulfonamide Nav1.7 inhibitors with pain efficacy in mice. Bioorg Med Chem Lett. 2017 May 15;27(10):2087-2093.

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