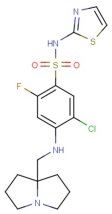
Data Sheet (Cat.No.T12183)

TargetMol
A DRUG SCREENING EXPERT

Nav1.7-IN-3

Chemical Properties



CAS No.:	1788872-06-9
Formula:	C17H20ClFN4O2S2
Molecular Weight:	430.95
Appearance:	N/A
Storage:	0-4℃ for short term (days to weeks), or -20℃ for long term (months).

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(IC_{50})	Nav1.7: 8 nM
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.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.32 mL	11.602 mL	23.205 mL
5 mM	0.464 mL	2.32 mL	4.641 mL
10 mM	0.232 mL	1.16 mL	2.32 mL
50 mM	0.046 mL	0.232 mL	0.464 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 ℃ for 6 months; - 20 ℃ for 1 month. Please use it as soon as possible.

Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

Tel:781-999-4286 E-mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481