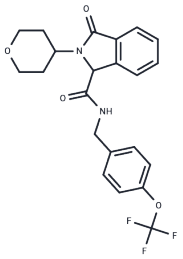
Data Sheet (Cat.No.T24520)

TargetMol

NAV26

Chemical Properties



CAS No. : 1198160-14-3

Formula: C22H21F3N2O4

Molecular Weight: 434.41

Storage: Store at low temperature
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	NAV26 (compound 26) is a selective voltage-gated sodium channel Nav1.7 blocker with an IC50 of 0.37 μM, and is extensively used in pain research to investigate Nav1.7-mediated nociceptive signaling, validate analgesic targets. NAV26 (compound 26) support the development of novel pain therapeutics with improved specificity and reduced central nervous system side effects.
Targets(IC50)	Sodium Channel
In vitro	NAV26 functions as a state-dependent blocker of NaV1.7, a channel subtype validated for pain modulation. In electrophysiological assays, it exhibits an IC_{50} of 0.37 μM for NaV1.7 [2].

Solubility Information

Solubility	DMSO: 100 mg/mL (230.2 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.302 mL	11.5099 mL	23.0197 mL
5 mM	0.4604 mL	2.302 mL	4.6039 mL
10 mM	0.2302 mL	1.151 mL	2.302 mL
50 mM	0.046 mL	0.2302 mL	0.4604 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

González-Rodríguez S, et al. Synergistic combinations of the dual enkephalinase inhibitor PL265 given orally with various analgesic compounds acting on different targets, in a murine model of cancer-induced bone pain. Scand J Pain. 2017 Jan;14:25-38.

Istvan Macsari, et al. 3-Oxoisoindoline-1-carboxamides: potent, state-dependent blockers of voltage-gated sodium channel Na(V)1. 7 with efficacy in rat pain models. J Med Chem. 2012 Aug 9;55(15):6866-80.