

Nav1.8-IN-20

## Chemical Properties

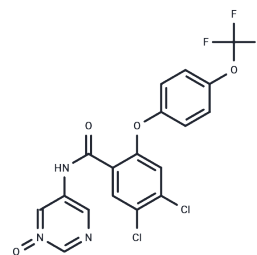
CAS No. : 3024470-62-7

Formula: C<sub>18</sub>H<sub>10</sub>Cl<sub>2</sub>F<sub>3</sub>N<sub>3</sub>O<sub>4</sub>

Molecular Weight: 460.19

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	Nav1.8-IN-20 (Compound I) is an orally active inhibitor of the voltage-gated sodium channel Nav1.8, with an IC <sub>50</sub> value of 14 nM. It effectively blocks the generation and propagation of action potentials in peripheral nociceptive neurons, providing analgesic effects. Nav1.8-IN-20 shows potential for research in several pain types, including acute, chronic, inflammatory, and neuropathic pain.
Targets(IC <sub>50</sub> )	Sodium Channel

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.173 mL	10.8651 mL	21.7302 mL
5 mM	0.4346 mL	2.173 mL	4.346 mL
10 mM	0.2173 mL	1.0865 mL	2.173 mL
50 mM	0.0435 mL	0.2173 mL	0.4346 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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