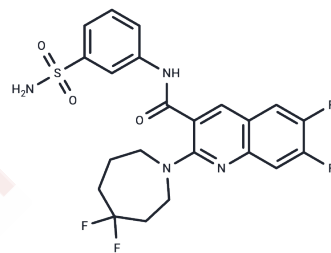


Nav1.8-IN-9

Chemical Properties

CAS No. : 2966089-14-3
 Formula: C₂₂H₂₀F₄N₄O₃S
 Molecular Weight: 496.48
 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-9 (Example 16), a potent Nav1.8 inhibitor with an IC ₅₀ of 0.084 nM, is orally active and holds promise for extensive pain research [1].
In vivo	Nav1.8-IN-9 (Example 16; 30 mg/kg; single oral dose) effectively inhibits mechanically-induced hypersensitivity in a rat postoperative pain model at 1, 2, and 4 hours [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0142 mL	10.0709 mL	20.1418 mL
5 mM	0.4028 mL	2.0142 mL	4.0284 mL
10 mM	0.2014 mL	1.0071 mL	2.0142 mL
50 mM	0.0403 mL	0.2014 mL	0.4028 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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