

Nav1.2-IN-2

Chemical Properties

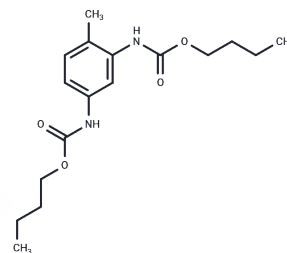
CAS No. : 7469-49-0

Formula: C₁₇H₂₆N₂O₄

Molecular Weight: 322.4

Storage: Store at low temperature, Keep away from moisture
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	Nav1.2-IN-2 (Compound 1) is an effective Nav1.2 inhibitor with an IC ₅₀ of 0.18 μM for inactivated Nav1.2. Nav1.2-IN-2 suppresses the amplitude and frequency of spontaneous synchronized calcium oscillations (SCO) and inhibits Veratridine-induced calcium influx (IC ₅₀ = 1.89 μM), making it suitable for epilepsy research.
Targets(IC50)	Sodium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1017 mL	15.5087 mL	31.0174 mL
5 mM	0.6203 mL	3.1017 mL	6.2035 mL
10 mM	0.3102 mL	1.5509 mL	3.1017 mL
50 mM	0.062 mL	0.3102 mL	0.6203 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

Xu J, et al. Aniline analogues as synchronized Ca²⁺ oscillation modulators: structure-activity relationship and mechanism. Eur J Med Chem. 2026 Jan 5;301:118267.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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