

KNa1.1-IN-2

Chemical Properties

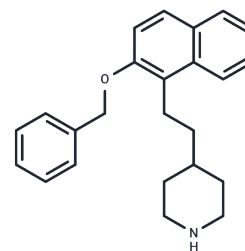
CAS No. : 3037315-44-6

Formula: C₂₄H₂₇NO

Molecular Weight: 345.48

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	KNa1.1-IN-2 (Compound Z05) is a selective KNa1.1 channel inhibitor capable of penetrating the blood-brain barrier, and exhibits significant efficacy on hERG channels. It binds to KNa1.1 channels, effectively blocking channel activity caused by Gain-of-function (GOF) mutations, thus intervening in KCNT1-related seizures. Additionally, it inhibits the GOF mutant Y796H, making KNa1.1-IN-2 a promising candidate for research into KCNT1-associated epilepsy disorders.
Targets(IC50)	Potassium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8945 mL	14.4726 mL	28.9452 mL
5 mM	0.5789 mL	2.8945 mL	5.789 mL
10 mM	0.2895 mL	1.4473 mL	2.8945 mL
50 mM	0.0579 mL	0.2895 mL	0.5789 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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