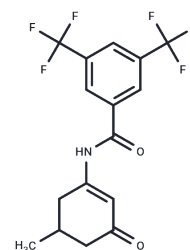


IAA65

Chemical Properties

CAS No. : 2987139-96-6
 Formula: C₁₆H₁₃F₆NO₂
 Molecular Weight: 365.27
 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	IAA65 is a potent and highly selective transient receptor potential ankyrin 1 (TRPA1) inhibitor (IC ₅₀ = 4.3 nM). It demonstrates significant analgesic activity in animal models of inflammatory and neuropathic pain by competitively blocking TRPA1-mediated calcium influx in sensory neurons.
Targets(IC ₅₀)	TRP/TRPV Channel
In vitro	IAA65 (50 μM) significantly reduces T-type calcium channel current density in ND7/23 cells by altering Cav3.2 and Cav3.3 inactivation [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7377 mL	13.6885 mL	27.377 mL
5 mM	0.5475 mL	2.7377 mL	5.4754 mL
10 mM	0.2738 mL	1.3689 mL	2.7377 mL
50 mM	0.0548 mL	0.2738 mL	0.5475 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

Zemer Gitai, et al. MreB actin-mediated segregation of a specific region of a bacterial chromosome. Cell. 2005 Feb 11;120(3):329-41.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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