

RN9893

Chemical Properties

CAS No. : 1803003-68-0

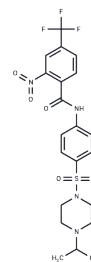
Formula: C₂₁H₂₃F₃N₄O₅S

Molecular Weight: 500.49

Store at low temperature

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	RN9893 is a selective and potent TRPV4 receptor antagonist with IC ₅₀ values of 320, 420 and 660 nM for TRPV4 receptors in mouse, human and rat, respectively.
Targets(IC ₅₀)	TRP/TRPV Channel

Solubility Information

Solubility	DMSO: 200 mg/mL (399.61 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.998 mL	9.9902 mL	19.9804 mL
5 mM	0.3996 mL	1.998 mL	3.9961 mL
10 mM	0.1998 mL	0.999 mL	1.998 mL
50 mM	0.040 mL	0.1998 mL	0.3996 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

Wei ZL, et al. Identification of orally-bioavailable antagonists of the TRPV4 ion-channel. Bioorg Med Chem Lett. 2015 Sep 15;25(18):4011-5.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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