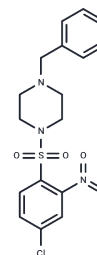


RN-1747

Chemical Properties

CAS No. : 1024448-59-6
 Formula: C₁₇H₁₈ClN₃O₄S
 Molecular Weight: 395.86
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	RN-1747 is a selective transient receptor potential cation channel subfamily V member 4 agonists (EC ₅₀ : hTRPV4 of 0.77 μM, mTRPV4 of 4.0 μM, and rTRPV4 of 4.1 μM). RN-1747 also antagonizes TRPM8 (IC ₅₀ : 4 μM).
Targets(IC ₅₀)	TRP/TRPV Channel

Solubility Information

Solubility	DMSO: 75 mg/mL (189.46 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5261 mL	12.6307 mL	25.2615 mL
5 mM	0.5052 mL	2.5261 mL	5.0523 mL
10 mM	0.2526 mL	1.2631 mL	2.5261 mL
50 mM	0.0505 mL	0.2526 mL	0.5052 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.

Reference

Vincent F, et al. Identification and characterization of novel TRPV4 modulators. Biochem Biophys Res Commun. 2009 Nov 20;389(3):490-4.

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