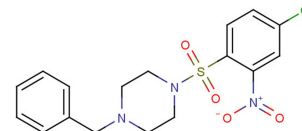


RN-1747

Chemical Properties

CAS No.: 1024448-59-6
Formula: C₁₇H₁₈ClN₃O₄S
Molecular Weight: 395.86
Appearance: N/A
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	RN-1747 is a selective transient receptor potential cation channel subfamily V member 4 agonists (EC ₅₀ : 0.77 μ M, 4.0 μ M, and 4.1 μ M for hTRPV4, mTRPV4, and rTRPV4 respectively). RN-1747 also antagonizes TRPM8 (IC ₅₀ : 4 μ M).
Targets(IC ₅₀)	hTRPV4: (EC ₅₀)0.77 μ M mTRPV4: 4.0 μ M(EC ₅₀) rTRPV4: 4.1 μ M(EC ₅₀)

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.526 mL	12.631 mL	25.261 mL
5 mM	0.505 mL	2.526 mL	5.052 mL
10 mM	0.253 mL	1.263 mL	2.526 mL
50 mM	0.051 mL	0.253 mL	0.505 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

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

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481