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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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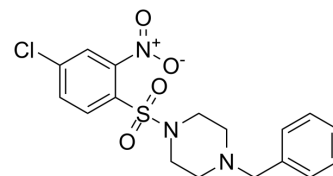
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RN-1747

Cat. No.:	HY-19976
CAS No.:	1024448-59-6
Molecular Formula:	C ₁₇ H ₁₈ ClN ₃ O ₄ S
Molecular Weight:	395.86
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 2 years -20°C 1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (126.31 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		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
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (5.25 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (5.25 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (5.25 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	RN-1747 is a selective transient receptor potential cation channel subfamily V member 4 (TRPV4) agonist, with EC ₅₀ values are 0.77 μM, 4.0 μM and 4.1 μM for hTRPV4, mTRPV4 and rTRPV4 respectively. RN-1747 also antagonizes TRPM8, with an IC ₅₀ of 4 μM ^[1] .
IC ₅₀ & Target	EC50: 0.77 μM (hTRPV4), 4.0 μM (mTRPV4), 4.1 μM (rTRPV4) ^[1] .

CUSTOMER VALIDATION

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- Life Sci. 2023 Dec 4, 122326.
 - J Biol Chem. 2022 May;298(5):101847.

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Caution: Product has not been fully validated for medical applications. For research use only.

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