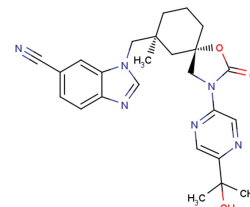


GSK2798745

Chemical Properties

CAS No.:	1419609-94-1
Formula:	C ₂₅ H ₂₈ N ₆ O ₃
Molecular Weight:	460.53
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	GSK2798745 is an orally active transient receptor potential vanilloid 4 (TRPV4) ion channel blocker (IC ₅₀ s: 1.8 and 1.6 nM for hTRPV4 and rTRPV4). It is used in research for the treatment of pulmonary edema associated with congestive heart failure.
Targets(IC ₅₀)	hTRPV4: 1.8 nM rTRPV4: 1.6 nM

Solubility Information

Solubility	DMSO: 250 mg/mL (542.85 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.171 mL	10.857 mL	21.714 mL
5 mM	0.434 mL	2.171 mL	4.343 mL
10 mM	0.217 mL	1.086 mL	2.171 mL
50 mM	0.043 mL	0.217 mL	0.434 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

- Goyal N, et al. Clinical Pharmacokinetics, Safety, and Tolerability of a Novel, First-in-Class TRPV4 Ion Channel Inhibitor, GSK2798745, in Healthy and Heart Failure Subjects. *Am J Cardiovasc Drugs*. 2019 Jun;19(3):335-342.
- Brooks CA, et al. Discovery of GSK2798745: A Clinical Candidate for Inhibition of Transient Receptor Potential Vanilloid 4 (TRPV4). *ACS Med Chem Lett*. 2019 Jul 15;10(8):1228-1233.

Inhibitors · Natural Compounds · Compound Libraries

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