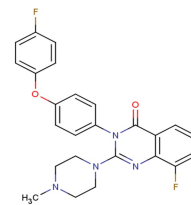


TRPV4 agonist-1 free base

Chemical Properties

CAS No.:	2314467-59-7
Formula:	C ₂₅ H ₂₂ F ₂ N ₄ O ₂
Molecular Weight:	448.46
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

**Biological Description**

Description	TRPV4 agonist-1 free base is an agonist of transient receptor potential vanilloid 4 (TRPV4; EC ₅₀ of 60 nM, in the hTRPV4 Ca ²⁺ assay).
In vitro	Significantly increased potency (EC _{max} : 20 nM in the SOX9 reporter assay) exhibited by TRPV4 agonist-1.

Solubility Information

Solubility	DMSO: 83.33 mg/mL (185.81 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.230 mL	11.149 mL	22.299 mL
5 mM	0.446 mL	2.230 mL	4.460 mL
10 mM	0.223 mL	1.115 mL	2.230 mL
50 mM	0.045 mL	0.223 mL	0.446 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. Atobe M, et al. Discovery of Novel Transient Receptor Potential Vanilloid 4 (TRPV4) Agonists as Regulators of Chondrogenic Differentiation: Identification of Quinazolin-4(3 H)-ones and in Vivo Studies on a Surgically Induced Rat Model of Osteoarthritis. *J Med Chem.* 2019 Jan 28.

Inhibitors · Natural Compounds · Compound Libraries

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