

MK-2295

Chemical Properties

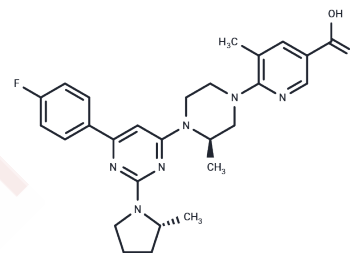
CAS No. : 878811-00-8

Formula: C₂₇H₃₁FN₆O₂

Molecular Weight: 490.57

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	MK-2295 is a potent TRPV1 antagonist. MK-2295 can be used in studies about the treatment of chronic pain.
Targets(IC50)	TRP/TRPV Channel

Solubility Information

Solubility	DMSO: 25 mg/mL (50.96 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0384 mL	10.1922 mL	20.3845 mL
5 mM	0.4077 mL	2.0384 mL	4.0769 mL
10 mM	0.2038 mL	1.0192 mL	2.0384 mL
50 mM	0.0408 mL	0.2038 mL	0.4077 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Kym PR, Kort ME, Hutchins CW. Analgesic potential of TRPV1 antagonists. *Biochem Pharmacol.* 2009 Aug 1;78(3): 211-6. doi: 10.1016/j.bcp.2009.02.014. Epub 2009 Mar 5. PubMed PMID: 19481638.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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