

JYL-273 analog-1

Chemical Properties

CAS No. :	289902-71-2
Formula:	C ₂₈ H ₄₀ N ₂ O ₄ S
Molecular Weight:	500.7
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	JYL-273 analog-1 (Compound 28, Example 45) is a potent agonist of the transient receptor potential ion channel (TRP Channel) (TRPV1) with a K_i value of 10.8 nM. It exhibits analgesic activity in the PBQ-induced writhing test with an ED ₅₀ of 1.0 mg/kg and is applicable for pain relief research.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9972 mL	9.986 mL	19.972 mL
5 mM	0.3994 mL	1.9972 mL	3.9944 mL
10 mM	0.1997 mL	0.9986 mL	1.9972 mL
50 mM	0.0399 mL	0.1997 mL	0.3994 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.

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