

TRPV2-selective blocker 1

Chemical Properties

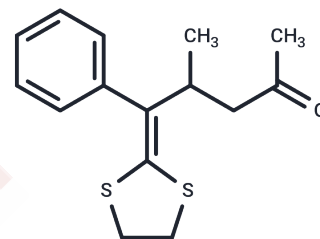
CAS No. : 2242724-49-6

Formula: C₁₅H₁₈O₂S₂

Molecular Weight: 278.43

Storage: Keep away from direct sunlight, Store under nitrogen
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	TRPV2-selective blocker 1 is a selective TRPV2 channel blocker with an IC ₅₀ of 6.3 μM. It has no effect on TRPV1/3/4, and inhibits TRPV2-mediated Ca ²⁺ influx and phagocytosis in macrophages.
Targets(IC ₅₀)	TRP/TRPV Channel

Solubility Information

Solubility	DMSO: 80 mg/mL (287.33 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	3.5916 mL	17.9578 mL	35.9157 mL
5 mM	0.7183 mL	3.5916 mL	7.1831 mL
10 mM	0.3592 mL	1.7958 mL	3.5916 mL
50 mM	0.0718 mL	0.3592 mL	0.7183 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

Rick Raudszus, et al. Pharmacological inhibition of TRPV2 attenuates phagocytosis and lipopolysaccharide-induced migration of primary macrophages. Br J Pharmacol. 2023 Nov;180(21):2736-2749.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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