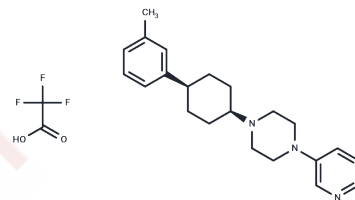


Cis-22a

Chemical Properties

CAS No. :	1819366-84-1
Formula:	C ₂₄ H ₃₀ F ₃ N ₃ O ₂
Molecular Weight:	449.51
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	Cis-22a is a TRPV6 inhibitor (IC ₅₀ = 0.32 μM), which exhibits selectivity against related TRPV channels and calcium channels. cis-22a displays antiproliferative effects on T47D human breast cancer cells.
Targets(IC ₅₀)	Calcium Channel, TRP/TRPV Channel

Solubility Information

Solubility	DMSO: 90 mg/mL (200.22 mM), Sonication is recommended. H ₂ O: 90 mg/mL (200.22 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	2.2246 mL	11.1232 mL	22.2464 mL
5 mM	0.4449 mL	2.2246 mL	4.4493 mL
10 mM	0.2225 mL	1.1123 mL	2.2246 mL
50 mM	0.0445 mL	0.2225 mL	0.4449 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

- Humer C, et al. TRPV6 Regulation by Cis-22a and Cholesterol. *Biomolecules*. 2022;12(6):804.
Cunha MR, et al. Natural product inspired optimization of a selective TRPV6 calcium channel inhibitor. *RSC Med Chem*. 2020;11(9):1032-1040.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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