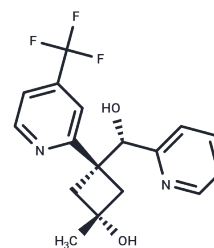


## TRPV3 antagonist 74a

## Chemical Properties

CAS No. :	1432051-63-2
Formula:	C <sub>17</sub> H <sub>17</sub> F <sub>3</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	338.32
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	TRPV3 antagonist 74a (TRPV3 74a) is a specific TRPV3 antagonist for the study of neurological disorders.
Targets(IC50)	TRP/TRPV Channel
In vivo	In WT mice, TRPV3 antagonist 74a (150 µg; Intradermal injection; 30 minutes) significantly reduced the number of scratches[2].

## Solubility Information

Solubility	DMSO: 1 mg/mL (2.96 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (2.96 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

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	1mg	5mg	10mg
1 mM	2.9558 mL	14.7789 mL	29.5578 mL
5 mM	0.5912 mL	2.9558 mL	5.9116 mL
10 mM	0.2956 mL	1.4779 mL	2.9558 mL
50 mM	0.0591 mL	0.2956 mL	0.5912 mL

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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

Gomtsyan A, et al. Synthesis and Pharmacology of (Pyridin-2-yl)methanol Derivatives as Novel and Selective Transient Receptor Potential Vanilloid 3 Antagonists. *J Med Chem.* 2016;59(10):4926-4947.

Zhao J, et al. PAR2 Mediates Itch via TRPV3 Signaling in Keratinocytes. *J Invest Dermatol.* 2020;140(8):1524-1532.

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