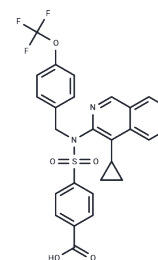


## Elismetrep

## Chemical Properties

CAS No. :	1400699-64-0
Formula:	C <sub>27</sub> H <sub>21</sub> F <sub>3</sub> N <sub>2</sub> O <sub>5</sub> S
Molecular Weight:	542.53
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	Elismetrep (MT-8554) is an orally available TRPM8 inhibitor with potential analgesic activity for the study of vasomotor symptoms in postmenopausal women.
Targets(IC50)	TRP/TRPV Channel

## Solubility Information

Solubility	DMSO: 80 mg/mL (147.46 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: 3.3 mg/mL (6.08 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

	1mg	5mg	10mg
1 mM	1.8432 mL	9.2161 mL	18.4322 mL
5 mM	0.3686 mL	1.8432 mL	3.6864 mL
10 mM	0.1843 mL	0.9216 mL	1.8432 mL
50 mM	0.0369 mL	0.1843 mL	0.3686 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

Conklin M, et al. Neurokinin receptor antagonists as potential non-hormonal treatments for vasomotor symptoms of menopause. Ther Adv Reprod Health. 2023 Jun 22;17:26334941231177611.

Weyer AD, et al. Development of TRPM8 Antagonists to Treat Chronic Pain and Migraine. Pharmaceuticals (Basel). 2017 Mar 30;10(2):37.

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Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481