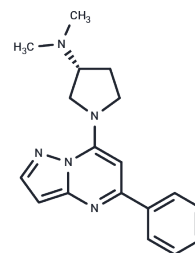


(R)-ZINC-3573

## Chemical Properties

CAS No. : 2089389-15-9  
 Formula: C<sub>18</sub>H<sub>21</sub>N<sub>5</sub>  
 Molecular Weight: 307.39  
 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	(R)-ZINC-3573 is a potent and highly selective MRGPRX2 probe that activates endogenous MRGPRX2 in a human mast cell line, inducing degranulation and calcium release.
Targets(IC50)	MRGPR

## Solubility Information

Solubility	DMSO: 25 mg/mL (81.33 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: 2.5 mg/mL (8.13 mM), Suspension. 10% DMSO+40% PEG300+5% Tween-80+45% Saline: 2 mg/mL (6.51 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	3.2532 mL	16.266 mL	32.532 mL
5 mM	0.6506 mL	3.2532 mL	6.5064 mL
10 mM	0.3253 mL	1.6266 mL	3.2532 mL
50 mM	0.0651 mL	0.3253 mL	0.6506 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

Lansu K, et al. In silico design of novel probes for the atypical opioid receptor MRGPRX2. Nat Chem Biol. 2017 May; 13(5):529-536.

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