

## ENMD-1068 HCl

## Chemical Properties

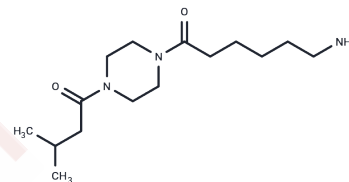
CAS No. : 789488-77-3

Formula: C<sub>15</sub>H<sub>29</sub>N<sub>3</sub>O<sub>2</sub>

Molecular Weight: 283.41

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	ENMD-1068 HCl (ENMD 1068) is a PAR-2 antagonist. ENMD-1068 HCl inhibits the development of endometriosis in a mouse model.
Targets(IC50)	Apoptosis,Protease-activated Receptor

## Solubility Information

Solubility	DMSO: 245 mg/mL (864.47 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	3.5285 mL	17.6423 mL	35.2846 mL
5 mM	0.7057 mL	3.5285 mL	7.0569 mL
10 mM	0.3528 mL	1.7642 mL	3.5285 mL
50 mM	0.0706 mL	0.3528 mL	0.7057 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

Ibrahim Sulaiman, et al. Molecularly targeted therapies for asthma: Current development, challenges and potential clinical translation. *Pulm Pharmacol Ther.* 2016 Oct;40:52-68.

Hyosun Jang, et al. Skin pH Is the Master Switch of Kallikrein 5-Mediated Skin Barrier Destruction in a Murine Atopic Dermatitis Model. *J Invest Dermatol.* 2016 Jan;136(1):127-35.

Ahmed Nadeem, et al. Proteinase activated receptor-2-mediated dual oxidase-2 up-regulation is involved in enhanced airway reactivity and inflammation in a mouse model of allergic asthma. *Immunology.* 2015 Jul;145(3):391-403.

Nadeem A, Alharbi NO, Vliagoftis H, Tyagi M, Ahmad SF, Sayed-Ahmed MM. Proteinase activated receptor-2-mediated dual oxidase-2 up-regulation is involved in enhanced airway reactivity and inflammation in a mouse model of allergic asthma. *Immunology.* 2015 Jul;145(3):391-403. doi: 10.1111/imm.12453. PubMed PMID: 25684443; PubMed Central PMCID: PMC4479538.

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