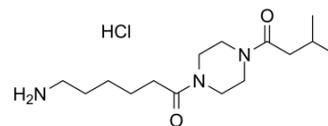


## ENMD-1068 hydrochloride

<b>Cat. No.:</b>	HY-124748A
<b>Molecular Formula:</b>	C <sub>15</sub> H <sub>30</sub> ClN <sub>3</sub> O <sub>2</sub>
<b>Molecular Weight:</b>	319.87
<b>Target:</b>	Protease-Activated Receptor (PAR)
<b>Pathway:</b>	GPCR/G Protein
<b>Storage:</b>	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 200 mg/mL (625.25 mM; Need ultrasonic)					
	<b>Preparing Stock Solutions</b>	<b>Solvent</b>	<b>Mass</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>Concentration</b>				
		<b>1 mM</b>		3.1263 mL	15.6314 mL	31.2627 mL
		<b>5 mM</b>		0.6253 mL	3.1263 mL	6.2525 mL
<b>10 mM</b>		0.3126 mL	1.5631 mL	3.1263 mL		
Please refer to the solubility information to select the appropriate solvent.						
<b>In Vivo</b>	<ol style="list-style-type: none"> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 40% PEG300 &gt;&gt; 5% Tween-80 &gt;&gt; 45% saline Solubility: 5 mg/mL (15.63 mM); Suspended solution; Need ultrasonic</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% (20% SBE-β-CD in saline) Solubility: ≥ 5 mg/mL (15.63 mM); Clear solution</li> <li>Add each solvent one by one: 10% DMSO &gt;&gt; 90% corn oil Solubility: ≥ 5 mg/mL (15.63 mM); Clear solution</li> </ol>					

### BIOLOGICAL ACTIVITY

<b>Description</b>	ENMD-1068 hydrochloride is a selective protease-activated receptor 2 (PAR2) antagonist with antiangiogenic and anti-inflammatory activities. ENMD-1068 hydrochloride reduces epatic stellate cells (HSCs) activation and collagen expression through the inhibition of TGF-β1/Smad signal transduction <sup>[1][2]</sup> .
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### REFERENCES

[1]. Yifeng Wang, et al. ENMD-1068, a protease-activated receptor 2 antagonist, inhibits the development of endometriosis in a mouse model. Am J Obstet Gynecol. 2014 Jun;210(6):531.e1-8.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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