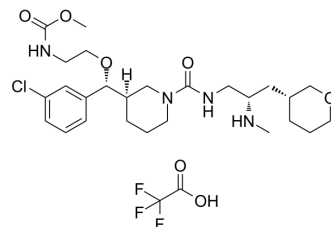


## VTP-27999 TFA

<b>Cat. No.:</b>	HY-50769
<b>CAS No.:</b>	1013937-63-7
<b>Molecular Formula:</b>	C <sub>28</sub> H <sub>42</sub> ClF <sub>3</sub> N <sub>4</sub> O <sub>7</sub>
<b>Molecular Weight:</b>	639.1
<b>Target:</b>	Renin
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	H <sub>2</sub> O : 10 mg/mL (15.65 mM; Need ultrasonic)					
	Ethanol : 2.4 mg/mL (3.76 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>		1.5647 mL	7.8235 mL	15.6470 mL
<b>5 mM</b>			0.3129 mL	1.5647 mL	3.1294 mL	
	<b>10 mM</b>		0.1565 mL	0.7824 mL	1.5647 mL	
Please refer to the solubility information to select the appropriate solvent.						
<b>In Vivo</b>	1. Add each solvent one by one: PBS Solubility: ≥ 25 mg/mL (39.12 mM); Clear solution					

### BIOLOGICAL ACTIVITY

<b>Description</b>	VTP-27999 TFA is an alkyl amine Renin inhibitor; VTP-27999 TFA is useful for Hypertension and End-Organ Diseases.
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### REFERENCES

- [1]. New renin inhibitor VTP-27999 alters renin immunoreactivity and does not unfold prorenin. Hypertension. 2013 May;61(5):1075-1082.
- [2]. Lanqi Jia? et al. Discovery of VTP-27999, an Alkyl Amine Renin Inhibitor with Potential for Clinical Utility ACS Med. Chem. Lett., 2011, 2 (10), pp 747-751
- [3]. Ishchenko A, et al. Structure-based design technology contour and its application to the design of Renin inhibitors. J Chem Inf Model. 2012 Aug 27;52(8):2089-97. Epub 2012 Jul 25.

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

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