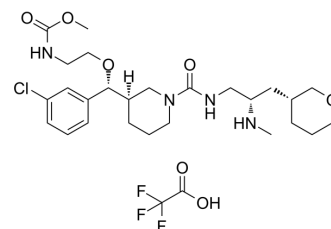


## VTP-27999 TFA

**Cat. No.:** HY-50769  
**CAS No.:** 1013937-63-7  
**Molecular Formula:**  $C_{28}H_{42}ClF_3N_4O_7$   
**Molecular Weight:** 639.1  
**Target:** Renin  
**Pathway:** Metabolic Enzyme/Protease  
**Storage:** 4°C, sealed storage, away from moisture  
 \* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

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

### BIOLOGICAL ACTIVITY

Description	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.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA