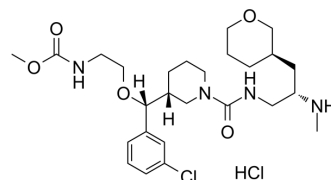


VTP-27999 Hydrochloride

Cat. No.:	HY-76652
CAS No.:	1264191-73-2
Molecular Formula:	C ₂₆ H ₄₂ Cl ₂ N ₄ O ₅
Molecular Weight:	561.54
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

H₂O : ≥ 100 mg/mL (178.08 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		Concentration	1 mg	5 mg	10 mg
	1 mM		1.7808 mL	8.9041 mL	17.8082 mL
	5 mM		0.3562 mL	1.7808 mL	3.5616 mL
	10 mM		0.1781 mL	0.8904 mL	1.7808 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

VTP-27999 Hcl is an alkyl amine Renin inhibitor; VTP-27999 is useful for Hypertension and End-Organ Diseases. IC₅₀ value: Target: Renin

REFERENCES

- [1]. 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
- [2]. New renin inhibitor VTP-27999 alters renin immunoreactivity and does not unfold prorenin. Hypertension. 2013 May;61(5):1075-1082.
- [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.

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

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