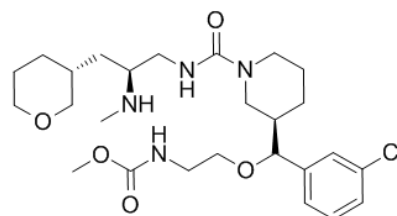


Product Name : VTP-27999
Cat. No. : PC-45864
CAS No. : 942142-51-0
Molecular Formula : C₂₆H₄₁ClN₄O₅
Molecular Weight : 525.0806
Target : Renin
Solubility : 10 mM in DMSO



Biological Activity

A potent, highly selective renin inhibitor with IC₅₀ of 0.47 nM; displays >1000-fold selectivity for renin over a panel of >150 receptors, ion channels, and enzymes, and has an IC₅₀ value >30 uM against CYP3A4; demonstrates >15% oral bioavailability in three species, oral efficacy in a double transgenic rat model of hypertension, and good exposure in humans.

Hypertension
Phase 1 Clinical

References

Jia L, et al. ACS Med Chem Lett. 2011 Aug 9;2(10):747-51.

Krop M, et al. Hypertension. 2013 May;61(5):1075-82.

Balcarek J, et al. Hypertension. 2014 May;63(5):942-50.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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