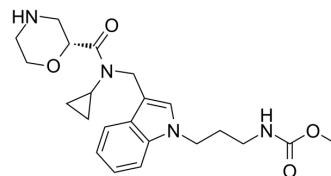


Renin inhibitor-1

Cat. No.:	HY-150963
CAS No.:	1093082-54-2
Molecular Formula:	C ₂₂ H ₃₀ N ₄ O ₄
Molecular Weight:	414.5
Target:	Renin
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Renin inhibitor-1 (compound 26) is a potent and orally active renin inhibitor with IC ₅₀ s of 0.9, 1.8 nM for rh-renin and hPRA, respectively. Renin inhibitor-1 shows antihypertensive efficacy. Renin inhibitor-1 has the potential for the research of hypertension and cardiovascular/renal diseases ^[1] .
IC₅₀ & Target	IC ₅₀ : 0.9 nM (rh-renin); 1.8 nM (hPRA) ^[1]
In Vivo	Renin inhibitor-1 (compound 26) (10 mg/kg; p.o.) demonstrates a significantly potent hypotensive effect in tsukuba hypertensive mice ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Daisuke Iijima, et al. Discovery of Novel 2-Carbamoyl Morpholine Derivatives as Highly Potent and Orally Active Direct Renin Inhibitors. ACS Med. Chem. Lett. 2022, 13, 8, 1351–1357.

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

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