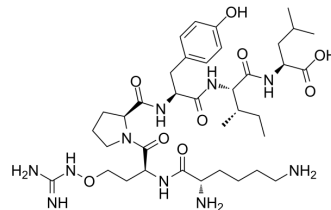


hNTS1R agonist-1

Cat. No.:	HY-149941
Molecular Formula:	C ₃₇ H ₆₂ N ₁₀ O ₉
Molecular Weight:	790.95
Sequence:	Lys-{Cav}-Pro-Tyr-Ile-Leu
Sequence Shortening:	K-{Cav}-PYIL
Target:	Neurotensin Receptor
Pathway:	GPCR/G Protein; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	hNTS1R agonist-1 (Compound 10) is a BBB permeable hNTS1R full agonist (K _i : 6.9 nM). hNTS1R agonist-1 increases motor function and memory in a mouse model of Parkinson's disease (PD). hNTS1R agonist-1 is a Neurotensin(8-13) analog and is a neuroprotective agent ^[1] .
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REFERENCES

[1]. Kühl T, et al. Neurotensin(8-13) analogs as dual NTS1 and NTS2 receptor ligands with enhanced effects on a mouse model of Parkinson's disease. *Eur J Med Chem.* 2023 Jun 5;254:115386.

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

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