

## HIV-IN peptide

Cat. No.:	HY-P4543
CAS No.:	167875-35-6
Molecular Formula:	C <sub>40</sub> H <sub>69</sub> N <sub>11</sub> O <sub>8</sub>
Molecular Weight:	832.04
Sequence:	Arg-Val-Leu-{psi(CH <sub>2</sub> NH)Phe}-Glu-Ala-{Nle}-NH <sub>2</sub>
Sequence Shortening:	RVL-{psi(CH <sub>2</sub> NH)Phe}-EA-{Nle}-NH <sub>2</sub>
Target:	HIV; HIV Protease
Pathway:	Anti-infection; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

Description	HIV-IN peptide is a competitive inhibitor of HIV-1 protease (K <sub>i</sub> =50 nM) <sup>[1]</sup> .
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### REFERENCES

[1]. Wang R, et al. Multiple Molecular Dynamics Simulations and Energy Analysis Unravel the Dynamic Properties and Binding Mechanism of Mutants HIV-1 Protease with DRV and CA-p2. Microbiol Spectr. 2022 Apr 27;10(2):e0074821.

**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