

Apelin-36(rat, mouse)

Cat. No.:	HY-P1065
CAS No.:	230299-95-3
Molecular Formula:	C ₁₈₅ H ₃₀₄ N ₆₈ O ₄₃ S
Molecular Weight:	4200.89
Target:	HIV
Pathway:	Anti-infection
Storage:	Sealed storage, away from moisture and light, under nitrogen Powder -80°C 2 years -20°C 1 year * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light, under nitrogen)

BIOLOGICAL ACTIVITY

Description	Apelin-36(rat, mouse) is an endogenous orphan G protein-coupled receptor APJ agonist. Apelin-36(rat, mouse) binds to APJ receptors with an IC ₅₀ of 5.4 nM, and potently inhibits cAMP production with an EC ₅₀ of 0.52 nM. Apelin-36(rat, mouse) blocks entry of some HIV-1 and HIV-2 strains into NP-2/CD4 cells expressing APJ ^{[1][2]} .	
IC ₅₀ & Target	HIV-1	HIV-2

REFERENCES

- [1]. Kawamata Y, et al. Molecular properties of apelin: tissue distribution and receptor binding. *Biochim Biophys Acta*. 2001;1538(2-3):162-171.
- [2]. Zou MX, et al. Apelin peptides block the entry of human immunodeficiency virus (HIV). *FEBS Lett*. 2000;473(1):15-18.

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

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