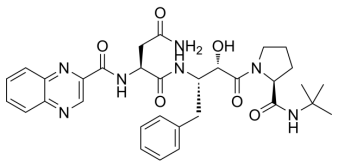
R-87366

Cat. No.:	HY-19232
CAS No.:	144779-91-9
Molecular Formula:	$C_{32}H_{39}N_7O_6$
Molecular Weight:	617.7
Target:	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	R-87366 is a water-soluble human immunodeficiency virus (HIV) protease inhibitor. R-87366 has potent inhibitory for HIV protease with a K_i value of 11 nM. R-87366 can be used for the research of anti-human immunodeficiency virus (HIV)[1].
IC_{50} & Target	Ki: 11 nM (HIV protease)[1]. IC90: 0.5 μM (HIV-1IIIB acutely infected cells)[1]
In Vitro	R-87366 has potent inhibitory for human immunodeficiency virus protease with a K_i value of 11 nM[1]. R-87366 has activity for HIV-1IIIB acutely infected cells with an IC_{90} value of 0.5 μM[1]. R-87366 has moderate water-solubility[1]. R-87366 (0.25 μM; 0.5 μM) also has active in chronically infected Molt-4/HIV-1IIIB cells, and inhibits the proteolytic processing of p55 into p17[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. T Komai, et al. In vitro and ex vivo anti-human immunodeficiency virus (HIV) activities of a new water-soluble HIV protease inhibitor, R-87366, containing (2S,3S)-3-amino-2-hydroxy-4-phenylbutanoic acid. Biol Pharm Bull. 1997 Feb;20(2):175-80.

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