

Feglymycin

Cat. No.:	HY-W714002
CAS No.:	209335-49-9
Molecular Formula:	C ₉₅ H ₉₇ N ₁₃ O ₃₀
Molecular Weight:	1900.86
Sequence:	{d-nTyr}-{d-Phg(3,5-OH)}-Val-{d-Phg(3,5-OH)}-{nTyr}-{d-Phg(3,5-OH)}-{nTyr}-{d-Phg(3,5-OH)}-Val-{d-Phg(3,5-OH)}-{nTyr}-Phe-Asp
Sequence Shortening:	{d-nTyr}-{d-Phg(3,5-OH)}-V-{d-Phg(3,5-OH)}-{nTyr}-{d-Phg(3,5-OH)}-{nTyr}-{d-Phg(3,5-OH)}-V-{d-Phg(3,5-OH)}-{nTyr}-FD
Target:	HIV; Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description

Feglymycin is a HIV replication inhibitor. Feglymycin is also an antibiotic peptide that has antibacterial activity (MIC: 32-64 μg/mL for *Staphylococcus aureus*)^[1].

REFERENCES

[1]. Vértésy L, et al. Feglymycin, a novel inhibitor of the replication of the human immunodeficiency virus. Fermentation, isolation and structure elucidation. *J Antibiot (Tokyo)*. 1999 Apr;52(4):374-82.

[2]. Dettner F, et al. Total synthesis of the antiviral peptide antibiotic feglymycin. *Angew Chem Int Ed Engl*. 2009;48(10):1856-61.

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

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