Data Sheet (Cat.No.TP4167)

TargetMol

Tachyplesin II

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Tachyplesin II is a broad-spectrum cationic antimicrobial peptide. It exhibits significant inhibitory effects on Gram-positive bacteria, Gram-negative bacteria, and certain fungi. By engaging its positive charge, Tachyplesin II binds to bacterial membrane lipopolysaccharides, disrupting membrane integrity and causing leakage of cellular contents. Additionally, Tachyplesin II binds to DNA grooves to inhibit microbial replication and can also suppress HIV-1 replication and liver cancer cell proliferation.
Targets(IC50)	DNA Alkylator/Crosslinker

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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