

Peptide P2.2

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	Peptide P2.2, a non-ribosomal antimicrobial peptide, exhibits potent antibacterial activity, with an MIC ₅₀ of 4 µM against <i>V. parahaemolyticus</i> and 32 µM against <i>V. alginolyticus</i> . This peptide enhances the synergistic antimicrobial effects when used in conjunction with antibiotics (e.g., Ofloxacin and Linezolid) and shows negligible hemolytic activity. Peptide P2.2 disrupts bacterial membranes and increases their permeability by modulating proteins involved in the type VI and type III secretion systems. It is applicable in bacterial infection research.
Targets(IC ₅₀)	Antibacterial, Antibiotic

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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