

wkwkwNGwkwkw-NH2

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Keep away from moisture

Storage:

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	wkwkwNGwkwkw-NH2 is a self-assembling antimicrobial peptide characterized by a β -hairpin structure. This compound can form nanofibers through self-assembly and interacts with lipopolysaccharides (LPS) on bacterial membranes, leading to the disruption of outer, inner, and cytoplasmic membranes, thereby exerting its antimicrobial effects. It exhibits high antimicrobial activity with low hemolytic activity and significantly reduces <i>Staphylococcus aureus</i> ATCC 25923 in skin wounds. Additionally, wkwkwNGwkwkw-NH2 produces a synergistic effect when combined with antibiotics (antibiotics) and aids in wound healing.
Targets(IC50)	Antibiotic

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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