

Defensin HNP 4

Cat. No.:	HY-P3979
CAS No.:	116977-48-1
Molecular Formula:	$C_{157}H_{261}N_{49}O_{43}S_6$
Molecular Weight:	3715.44
Sequence Shortening:	VCSCRLVFCRRTELRVGNCLIGGVSTFYCCTRV
Target:	Bacterial
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description	Defensin HNP 4 (HNP 4) is a single 11 amino acid long fragment of HNP-41-11. Defensin HNP 4 has inhibitory effect against multidrug-resistant and non-resistant strains ^[1] .
In Vitro	Defensin HNP 4 (1.56-100 μ M; 2 h) shows antimicrobial activity against ^[1] . Defensin HNP 4 (1.56-100 μ M; 96 h) has low cytotoxicity in human colonic epithelial adenocarcinoma cell line CaCo2 subclone TC7 and colorectal carcinoma cell line HT29 MTX cells subclone E12 ^[1] . Defensin HNP 4 (1.56-100 μ M; 1 h) exhibits hemolytic activity ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Ehmann D, et al. Fragmentation of Human Neutrophil α -Defensin 4 to Combat Multidrug Resistant Bacteria. Front Microbiol. 2020 Jun 3;11:1147.

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

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