

Human β -defensin-1

Chemical Properties

CAS No. : 452274-53-2

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.

DHYNCVSSGGQCLYSACPIFTKIQGTCTYRGAACCK
(Disulfide bridge:Cys6-Cys34; Cys12-Cys27; Cys17-Cys35)

Biological Description

Description	Human β -defensin-1 (H β D-1) is a cysteine-rich, cationic skin antimicrobial peptide (SAP) produced by epithelial surfaces, circulatory cells, and cells of the reproductive tract, exhibiting antimicrobial activity against a broad spectrum of sperm-related bacteria.
Targets(IC50)	Antibacterial,Antibiotic

Reference

E V Valore, et al. Human beta-defensin-1: An Antimicrobial Peptide of Urogenital Tissues. J Clin Invest. 1998 Apr 15; 101(8):1633-42.

Judith Raschig, et al. Ubiquitously Expressed Human Beta Defensin 1 (hBD1) Forms Bacteria-Entrapping Nets in a Redox Dependent Mode of Action. PLoS Pathog. 2017 Mar 21;13(3):e1006261.

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