
Product Data Sheet

Product Name: Human β -defensin-1

Cat. No.: GC69244

Chemical Properties

Cas. No. 452274-53-2

Formula $C_{167}H_{256}N_{48}O_{50}S_6$

M.Wt 3928.53

Solubility

Storage

Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure

Background

IC50: skin-antimicrobial peptide (SAP)^[1]

Human β -defensin-1 (H β D-1) is a cysteine-rich cationic **skin-antimicrobial peptide (SAP)** produced by all epithelial surfaces, but also by circulatory cells and cells of the reproductive tract. Human β -defensin-1 has antimicrobial activities against a broad-spectrum bacteria^[1].

[1]. 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.

[2]. 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.

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

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