

Product Data Sheet

Product Name: LL-37, human acetate

Cat. No.: GC63044

Chemical Properties

Cas. No.

Formula $C_{207}H_{344}N_{60}O_{55}$ M.Wt 4553.31

Solubility Water : 100 mg/mL (21.96 mM; Need ultrasonic) Storage Store at -20°C, protect from light, stored under nitrogen

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

LLGDDFRKSK EKIGKEFKRI VQRIKDFLRN LVPRTES (acetate salt)

Background

LL-37, human acetate is a 37-residue, amphipathic, cathelicidin-derived antimicrobial peptide, which exhibits a broad spectrum of antimicrobial activity[1]. LL-37, human acetate could help protect the cornea from infection and modulates wound healing[2].

[1]. DÜrr UH, et al. LL-37, the only human member of the cathelicidin family of antimicrobial peptides. *Biochim Biophys Acta*. 2006 Sep;1758(9):1408-25.

[2]. Huang LC, et al. Multifunctional roles of human cathelicidin (LL-37) at the ocular surface. *Invest*

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

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Ophthalmol Vis Sci. 2006 Jun;47(6):2369-80.

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