
Product Data Sheet

Product Name: P-113
Cat. No.: GC63135

Chemical Properties

Cas. No. 190673-58-6

Formula $C_{71}H_{110}N_{28}O_{13}$

M.Wt 1563.81

Solubility Water : 100 mg/mL (63.95 mM; Need ultrasonic)

Storage

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

P-113 is an antimicrobial peptide (AMP) derived from the human salivary protein histatin 5. P-113 is active against clinically important microorganisms such as *Pseudomonas* spp., *Staphylococcus* spp., and *C. albicans*[1].

P-113 has a minimum inhibitory concentration (MIC) value of 3.13 µg/mL for against *C. albicans*[1].

[1]. Kuang-Ting Cheng, et al. The Interactions between the Antimicrobial Peptide P-113 and Living *Candida albicans* Cells Shed Light on Mechanisms of Antifungal Activity and Resistance. *Int J Mol Sci.* 2020 Apr 10;21(7):2654.

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

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