

Product Data Sheet

Product Name: α -Hemolysin

Cat. No.: GC26215

Chemical Properties

Cas. No. 94716-94-6

Formula $C_{1269}H_{1971}N_{339}O_{400}S_6$ M.Wt 28569.06

Solubility 0.49mg/mL in Water Storage -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

α -Hemolysin is one of the most characteristic virulence factors secreted by *Staphylococcus aureus*, a polypeptide capable of destroying the host cell plasma membrane. After α -Hemolysin binds to the cell surface, its monomers assemble into a homoheptamer to form a front pore, which then transforms into a mature transmembrane pore water channel, allowing K^+ and Ca^{2+} ion transport, leading to necrotic death of target cells^[1].

References:

[1]. Robin R Craven, et al. *Staphylococcus aureus* alpha-hemolysin activates the NLRP3-

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

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inflammasome in human and mouse monocytic cells. PLoS One. 2009 Oct 14;4(10):e7446.

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