

Product Data Sheet

Product Name: JB-95 acetate

Cat. No.: GC72292

Chemical Properties

Cas. No.

Formula $C_{92}H_{151}N_{35}O_{14} \cdot xC_2H_4O_2$

M.Wt 1971.41 (free base)

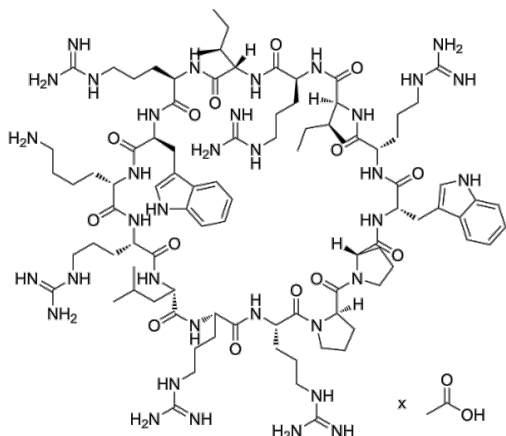
Solubility $H_2O : \geq 50 \text{ mg/mL}$

Storage Sealed storage, away from moisture and light, 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



Background

JB-95 acetate, a β -hairpin macrocyclic peptide, exhibits potent antimicrobial activity against Escherichia coli. JB-95 acetate can selectively disrupt the outer membrane but not the inner membrane of E. coli.

References:

[1]. Urfer M, et, al. A Peptidomimetic Antibiotic Targets Outer Membrane Proteins and Disrupts Selectively the Outer Membrane in Escherichia coli. J Biol Chem. 2016 Jan 22;291(4):1921-1932.

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

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