

Bacitracin (Zinc)

Catalog No: tcsc2268



Available Sizes

Size: 100mg

Size: 200mg



Specifications

CAS No:

1405-89-6

Formula:

$C_{66}H_{101}N_{17}O_{16}SZn$

Pathway:

Anti-infection

Target:

Bacterial

Purity / Grade:

>98%

Solubility:

1M HCl : 50 mg/mL (33.65 mM; Need ultrasonic); DMSO :

Alternative Names:

Bacitracin zinc salt; Zinc bacitracin

Observed Molecular Weight:

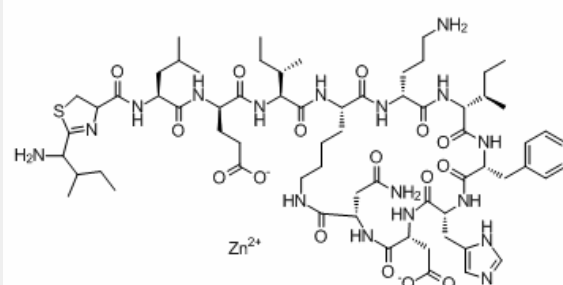
1486.06

Product Description

Bacitracin Zinc is a dephosphorylation of the C55-isoprenyl pyrophosphate interference for inhibition of cleavage of Tyr from Met-enkephalin with IC50 of 10 μ M.

Target: Antibacterial

Bacitracin is a mixture of related cyclic polypeptides produced by organisms of the licheniformis group of *Bacillus subtilis* var Tracy. Its unique name derives from the fact that the bacillus producing it was first isolated in 1943 from a knee scrape from a girl named Margaret Tracy. As a toxic and difficult-to-use antibiotic, bacitracin doesn't work well orally. However, it is very effective topically. Bacitracin is synthesised via the so-called nonribosomal peptide synthetases (NRPSs), which means that ribosomes are not involved in its synthesis [1, 2].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!