

Ceftaroline fosamil

Catalog No: tcsc2823



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

400827-46-5

Formula:

$C_{24}H_{25}N_8O_{10}PS_4$

Pathway:

Anti-infection

Target:

Bacterial

Purity / Grade:

>98%

Solubility:

DMSO : 30 mg/mL (40.28 mM; Need ultrasonic and warming)

Alternative Names:

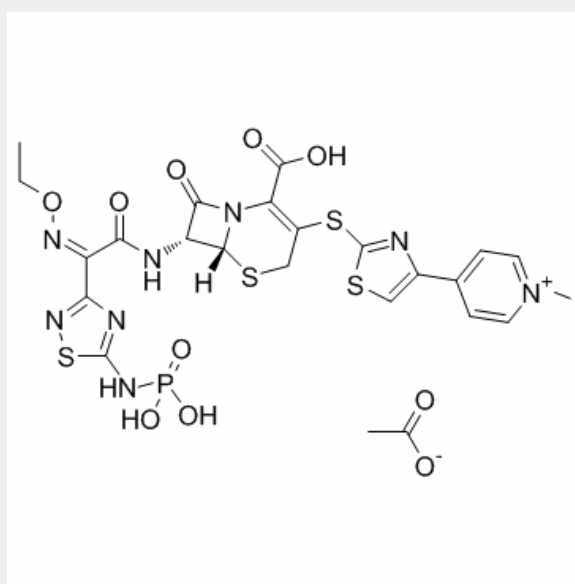
TAK-599;PPI0903

Observed Molecular Weight:

744.74

Ceftaroline fosamil is a cephalosporin with activity against **Gram-positive pathogens**, including methicillin-resistant ***Staphylococcus aureus* (MRSA)**.

In Vivo: Ceftaroline fosamil is effective against all 10 MRSA isolates used in the dose-ranging studies and requires approximately 17 to 43% $fT > MIC$ (the percentage of time that free drug concentrations remain above the MIC) to produce a 1-log_{10} kill^[1]. The Ceftaroline Fosamil treatment results in mean reductions of 1.1 to 2.4 \log_{10} CFU, with no relationship to the Ceftaroline Fosamil MIC. The use of high inocula does not affect the Ceftaroline Fosamil efficacy against the three strains tested, with mean decreases of 2.0 to 3.0 \log_{10} CFU^[2].



Copyright 2021 Taiclone Biotech Corp.