

Ceftaroline fosamil

Chemical Properties

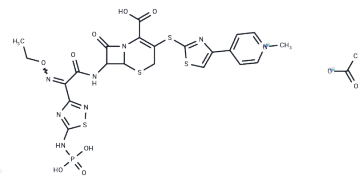
CAS No. : 400827-46-5

Formula: C₂₄H₂₅N₈O₁₀PS₄

Molecular Weight: 744.74

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Ceftaroline fosamil (TAK-599) is a cephalosporin, with activity against Gram-positive pathogens.
Targets(IC50)	Antibacterial,Antibiotic
In vivo	Ceftaroline fosamil 600 mg given every 12 h was superior to ceftriaxone 2 g given every 24 h for the treatment of Asian patients with PORT III-IV community-acquired pneumonia. These data suggest that ceftaroline fosamil should be regarded as an alternative to ceftriaxone in empirical treatment regimens for this patient population.

Solubility Information

Solubility	DMSO: 14 mg/mL (32.22 mM),Sonication and heating are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3428 mL	6.7138 mL	13.4275 mL
5 mM	0.2686 mL	1.3428 mL	2.6855 mL
10 mM	0.1343 mL	0.6714 mL	1.3428 mL
50 mM	0.0269 mL	0.1343 mL	0.2686 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Zhong, Nan Shan, Sun, Tieying, Zhuo, Chao,et.al. Ceftaroline fosamil versus ceftriaxone for the treatment of Asian patients with community-acquired pneumonia: a randomised, controlled, double-blind, phase 3, non-inferiority

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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