

Product Data Sheet

Product Name: Cefoselis Sulfate

Cat. No.: GC15398

Chemical Properties

Cas. No. 122841-12-7

Chemical Name (6R,7R)-7-[[[(2E)-2-(2-amino-1,3-thiazol-4-yl)-2-methoxyiminoacetyl]amino]-3-[[2-(2-hydroxyethyl)-3-iminopyrazol-1-yl]methyl]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid;sulfuric acid

SMILES CON=C(C1=CSC(=N1)N)C(=O)NC2C3N(C2=O)C(=C(CS3)CN4C=CC(=N)N4CCO)C(=O)O.OS(=O)(=O)O

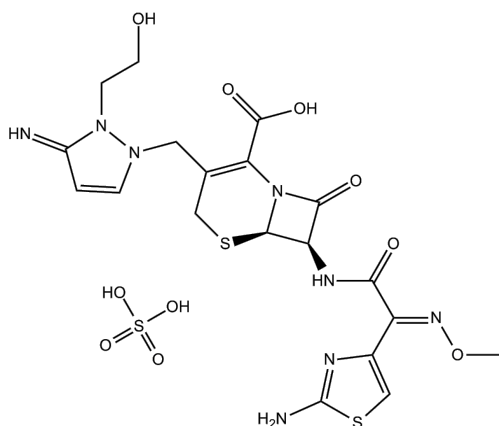
Formula C₁₉H₂₄N₈O₁₀S₃ M.Wt 620.64

Solubility ≥ 62.1mg/mL in DMSO with gentle warming Storage 4°C, protect from light, stored 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

Cefoselis sulfate is a widely used beta-lactam antibiotic. Target: Antibacterial. Cefoselis sulfate, a new parenteral cephalosporin, was active against clinical isolates of both gram-positive and gram-negative aerobic bacteria. The activity of Cefoselis (sulfate) was similar to that of cefpirome and

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cefepime and generally superior to that of ceftazidime. Cefoselis sulfate showed potent antibacterial activity against *Hemophilus influenzae* and *Moraxella catarrhalis*. Cefoselis sulfate was highly active against MSSA and MSCNS. Cefoselis sulfate was poor in the activity against MRSA, MRCNS, PRSP and *Enterococcus faecalis*, and no activity for *Enterococcus faecium*.

References:

- [1]. ZHU, D., et al., In vitro activities of cefoselis compared to β -lactams and other antibacterial agents against gram-positive and gram-negative clinical isolates. *Chinese Journal of Infection and Chemotherapy*, 2011. 4: p. 002.
- [2]. King, A., L. Bethune, and I. Phillips, The Comparative In Vitro Activity of FK-037 (Cefoselis), a New Broad-Spectrum Cephalosporin. *Clin Microbiol Infect*, 1995. 1(1): p. 13-17.

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