
Product Data Sheet

Product Name: Cefoselis hydrochloride

Cat. No.: GC16076

Chemical Properties

Cas. No. 911212-25-4

Chemical Name (6R,7R)-7-((Z)-((Z)-1-hydroxy-2-(2-imino-2,3-dihydrothiazol-4-yl)-2-(methoxyimino)ethylidene)amino)-3-((2-(2-hydroxyethyl)-3-imino-2,3-dihydro-1H-pyrazol-1-yl)methyl)-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid hydrochloride

SMILES CO/N=C(\C(O)=N[C@]1([C@]1([H])N2C(C(O)=O)=C(CS1)CN3C=C/C(N3CCO)=N/[H])([H])C2=O)C(N4)=CSC4=N.Cl

Formula	C ₁₉ H ₂₃ ClN ₈ O ₆ S ₂	M.Wt	559.02
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Solubility	Soluble in DMSO	Storage	Store at -20°C
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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 is a widely used beta-lactam antibiotic. Target: Antibacterial Cefoselis, a new parenteral cephalosporin, was active against clinical isolates of both gram-positive and gram-negative aerobic bacteria. The activity of Cefoselis was similar to that of cefpirome and cefepime and generally superior to that of ceftazidime. Cefoselis showed potent antibacterial activity against Hemophilus influenzae and Moraxella catarrhalis. Cefoselis was highly active against MSSA and MSCNS. Cefoselis was poor in the activity against MRSA, MRCNS, PRSP and Enterococcus faecalis, and no activity for Enterococcus faecium.

References:

[1]. King, A., L. Bethune, and I. Phillips, The Comparative In Vitro Activity of FK-037

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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(Cefoselis), a New Broad-Spectrum Cephalosporin. Clin Microbiol Infect, 1995. 1(1): p. 13-17.

[2]. 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.

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