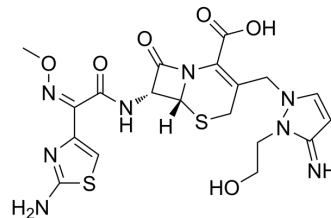


Cefoselis

Cat. No.:	HY-B0186
CAS No.:	122841-10-5
Molecular Formula:	C ₁₉ H ₂₂ N ₈ O ₆ S ₂
Molecular Weight:	522.56
Target:	Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Cefoselis, the fourth generation of cephalosporin, is a β -lactam antibiotic. Cefoselis exhibits good activity against a wide range of Gram-positive and Gram-negative organisms. Cefoselis penetrates the blood-brain barrier ^{[1][2][3]} .
IC₅₀ & Target	β -lactam
In Vitro	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 ceftazidime 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. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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.
- [3]. K Ohtaki, et al. Cefoselis, a beta-lactam antibiotic, easily penetrates the blood-brain barrier and causes seizure independently by glutamate release. J Neural Transm (Vienna). 2004 Dec;111(12):1523-35.

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

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