

Product Data Sheet

Product Name: Cefalonium

Cat. No.: GC49274

Chemical Properties

Cas. No. 5575-21-3

SMILES [H][C@]12SCC(C[N+]3=CC=C(C(N)=O)C=C3)=C(C([O-])=O)N1C([C@H]2NC(CC4=CC=CCS4)=O)=O

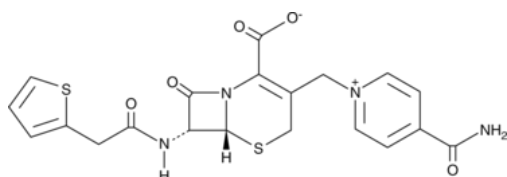
Formula C₂₀H₁₈N₄O₅S₂ M.Wt 458.5

Solubility DMSO: 25 mg/ml, DMSO:PBS (pH 7.2) (1:10): 0.09 mg/ml Storage Store at -20°C, protect from light

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

Cefalonium is a cephalosporin antibiotic.¹ It is active against pooled isolates of *S. aureus* from the milk of lactating dairy cows with subclinical mastitis (MIC₉₀ = 2 µg/ml). Formulations containing cefalonium have previously been used in dry cow therapy in the treatment and prevention of mastitis.

1. Moroni, P., Pisoni, G., Antonini, M., et al. Short communication: Antimicrobial drug susceptibility of *Staphylococcus aureus* from subclinical bovine mastitis in Italy. *J. Dairy Sci.* 89(8):2973-2976 (2006)

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