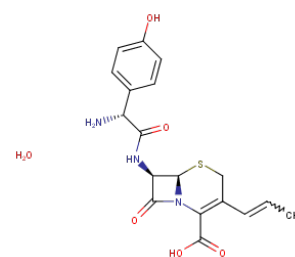


Catalog Number: CM02782

产品信息

Catalog Number:
CM02782CAS号:
121123-17-9分子式:
 $C_{18}H_{21}N_3O_6S$ 主要靶点:
Antibacterial|Antibiotic主要通路:
微生物学分子量:
407.44溶解度:
DMSO:34 mg/mL (83.45 mM)

体外活性

Cefprozil is particularly active against the Gram-positive organisms *Streptococcus pyogenes*, pneumoniae and agalactiae and against methicillin-susceptible *Staphylococcus aureus*. Cefprozil is also moderately active against *Haemophilus influenzae*, *Moraxella catarrhalis*, *Neisseria gonorrhoeae*, many *Enterobacteriaceae* and certain anaerobic organisms, and is relatively stable to hydrolysis by a number of beta-lactamases. [1] Cefprozil is a newer oral Cephalosporin with a spectrum of activity against organisms that include gram-positive and gram-negative pathogens. Cefprozil is active (susceptibility, less than or equal to 8 mg/mL; moderate susceptibility, 16 mg/mL; resistance, greater than or equal to 32 mg/mL) against gram-positive species such as streptococci, methicillin-susceptible staphylococci, and *Listeria monocytogenes*. [2] Cefprozil is at least as active as cefuroxime, cefaclor, and cephalexin against all organisms tested, but is fourfold less active than doxycycline against *E. coli* and 16-fold less active than clarithromycin versus *S. pneumoniae*. Cefprozil is as active as amoxicillin/clavulanate against *K. pneumoniae* and *E. coli*. [3]

体内活性

Cefprozil results in the mean peak concentration (C_{max}) in infant dogs (21.2 mg/mL) and adult dogs (27.8 mg/mL). Cefprozil results in the areas under the concentration-time curve (AUC, in infant dogs: 121 mg.hr/mL, in adult dogs: 130 mg.hr/mL), half-lives ($T_{1/2}$, in infant dogs: 4.7 hours, in adult dogs: 4.7 hours) or urinary recovery rates (UR, in infant dogs: 36.3%, in adult dogs: 34.7%) between the 2 groups. [4]

描述

Cefprozil hydrate is a second-generation cephalosporin-type antibiotic.

储存

Powder: -20°C for 3 years | In solvent: -80°C for 2 years