

Cefdinir

Catalog No: tcsc1925



Available Sizes

Size: 1g

Size: 5g



Specifications

CAS No:

91832-40-5

Formula:

$C_{14}H_{13}N_5O_5S_2$

Pathway:

Anti-infection

Target:

Bacterial

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

FK-482;CI-983

Observed Molecular Weight:

395.41

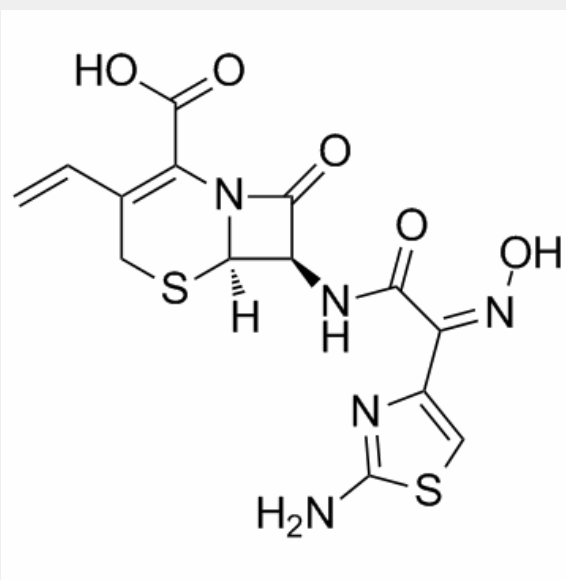
Product Description

Cefdinir (Omnicef) is a semi-synthetic, broad-spectrum antibiotic, which is proved to be effective for common bacterial infections of the ear, sinus, throat, and skin.

Target: Antibacterial

Cefdinir is a third generation oral cephalosporin antibiotic. Cefdinir (Omnicef) is a semi-synthetic, broad-spectrum antibiotic in the third generation of the cephalosporin class, which is proved to be effective for common bacterial infections of the ear, sinus, throat, and skin. It can be used to treat infections caused by several Gram-negative and Gram-positive bacteria. It is available in US as Omnicef by Abbott Laboratories and in India as Cednir by Abbott, Kefnir by Glenmark and Cefdiel by Ranbaxy. As of 2008, cefdinir was the highest-selling cephalosporin antibiotic in the United States, with more than US\$585 million in retail sales of its generic versions alone.

Cefdinir, a new oral 2-amino-5-thiazolyl cephalosporin, inhibited the luminol-amplified chemiluminescence (LACL) response of human neutrophils stimulated by PMA but not opsonized zymosan, in a concentration-dependent but not time-dependent manner. The LACL response to opsonized zymosan in cytochalasin B-treated neutrophils was, however, inhibited by cefdinir. Furthermore, cefdinir inhibited LACL generation in cell-free systems consisting of H₂O₂, NaI, and either horseradish peroxidase or a myeloperoxidase-containing neutrophil extract. Orthodianisidine oxidation in these two acellular systems was inhibited by cefdinir.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!