

Product Name : Cefotaxime sodium

Synonyms : —

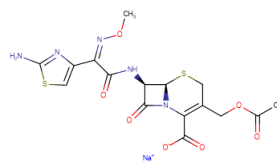
Cat No. : M15447

CAS Number : 64485-93-4

Molecular Formula : C₁₆H₁₆N₅NaO₇S₂

Formula Weight : 477.44

Chemical Name : —



Description : Cefotaxime is a third-generation cephalosporin antibiotic. Like other third-generation cephalosporins, it has broad spectrum activity against Gram positive and Gram negative bacteria. In most cases, it is considered to be equivalent to ceftriaxone in terms of safety and efficacy. Cefotaxime sodium is marketed under various trade names including Claforan (Sanofi-Aventis).

Pathway : GPCR/G Protein

Target : Antibacterial

Receptor : PBPs

Solubility : DMSO: 47mg/mL

SMILES : CC(=O)OCC1=C(N2[C@@H]([C@@H](C2=O)NC(=O)/C(=N)OC)/C3=CSC(=N3)N)SC1C(=O)[O-].[Na+]

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Williamson R, et al. Antimicrob Agents Chem Others. 1980 Oct;18(4):629-37.