
Cefotiam hydrochloride

产品编号: D56100

CAS: 66309-69-1

分子式: C₁₈H₂₃N₉O₄S₃·2HCl

纯度: 98.74%

InChi Key: InChiKey=BWRRTAXZCKVRON-DGPOFWGLSA-N

Smiles: N12[C@@H]([C@@H](C2=O)NC(=O)Cc2nc(sc2)N)SCC(=C1C(=O)O)CSc1n(nnn1)CCN(C)C.Cl.Cl

外观: 固体粉末

作用通路: Microbiology/virology

作用靶点: Antibacterial; Antibiotic

溶解性: DMSO: ≥ 6.1 mg/mL (10.19 mM)

保存条件: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

产品介绍: Cefotiam Hydrochloride is the hydrochloride salt form of cefotiam, a third-generation, semi-synthetic, beta-lactam cephalosporin antibiotic with antibacterial activity. Cefotiam binds to penicillin-binding proteins (PBPs), transpeptidases that are responsible for crosslinking of peptidoglycan. By preventing crosslinking of peptidoglycan, cell wall integrity is lost and cell wall synthesis is halted.