

Ceftibuten (Cas No 97519-39-6)



Ceftibuten

CAS number 97519-39-6

Systematic (IUPAC) name

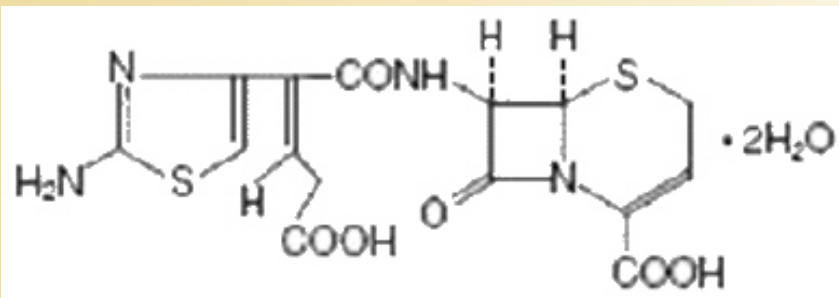
(6R,7R)-7-([(Z)-2-(2-amino-1,3-thiazol-4-yl)-5-hydroxy-5-oxopent-2-enoyl]amino)-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid

Identifiers

CAS number 97519-39-6

ATC code J01DD14

PubChem 5282242



Chemical data

Formula C₁₅H₁₄N₄O₆S₂ Mol. mass 410.427 g.mol⁻¹

Ceftibuten is a third-generation cephalosporin antibiotic.

Ceftibuten contains the active ingredient ceftibuten as ceftibuten dihydrate. Ceftibuten dihydrate is a semisynthetic cephalosporin antibiotic for oral administration. Chemically, it is (+)-(6R,7R)-7-[(Z)-2-(2-Amino-4-thiazolyl)-4-carboxycrotonamido]-8-oxo-5-thia-1-azabicyclo[4.2.0]oct-2-ene-2-carboxylic acid, dihydrate. Its molecular formula is C₁₅H₁₄N₄O₆S₂·2H₂O. Its molecular weight is 446.43 as the dihydrate.

Ceftibuten is a cephalosporin antibiotic used to treat certain infections caused by bacteria such as bronchitis and ear and throat infections. Antibiotics will not work for colds, flu, or other viral infections.