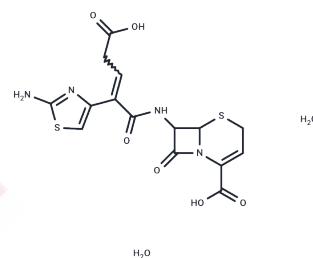


Ceftibuten dihydrate

Chemical Properties

CAS No. :	118081-34-8
Formula:	C ₁₅ H ₁₈ N ₄ O ₈ S ₂
Molecular Weight:	446.46
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Ceftibuten dihydrate (Sch-39720 dihydrate) is the dihydrate form of ceftibuten, and is a third-generation cephalosporin with antibacterial activity.
Targets(IC50)	Antibacterial,Antibiotic

Solubility Information

Solubility	DMSO: 60 mg/mL (134.39 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2398 mL	11.1992 mL	22.3984 mL
5 mM	0.448 mL	2.2398 mL	4.4797 mL
10 mM	0.224 mL	1.1199 mL	2.2398 mL
50 mM	0.0448 mL	0.224 mL	0.448 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

- JONES, RONALD N. Ceftibuten: a review of antimicrobial activity, spectrum and other microbiologic features.[J]. Pediatric Infectious Disease Journal, 1995, 14(14):S77-83.
- Wise R, et al. Ceftibuten--in-vitro activity against respiratory pathogens, beta-lactamase stability and mechanism of action. J Antimicrob Chemother, 1990. 26(2): p. 209-213.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481