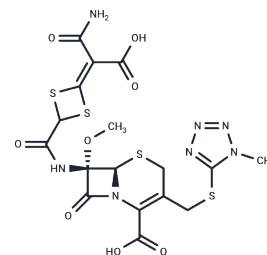


## Cefotetan

## Chemical Properties

CAS No. :	69712-56-7
Formula:	C <sub>17</sub> H <sub>17</sub> N <sub>7</sub> O <sub>8</sub> S <sub>4</sub>
Molecular Weight:	575.62
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	Cefotetan (Apacéf) Sodium (ICI-156834, YM-09330) is a second-generation cephalosporin, cephamycin antibiotic that is active against a wide range of both aerobic and anaerobic gram-positive and gram-negative bacteria. Cefotetan binds to penicillin-binding proteins and disrupts the cell wall synthesis.
Targets(IC50)	Antibacterial,Antibiotic

## Solubility Information

Solubility	DMSO: 13 mg/mL (22.58 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7373 mL	8.6863 mL	17.3726 mL
5 mM	0.3475 mL	1.7373 mL	3.4745 mL
10 mM	0.1737 mL	0.8686 mL	1.7373 mL
50 mM	0.0347 mL	0.1737 mL	0.3475 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

Ekinci D, et al. Susceptibility of cord blood antioxidant enzymes glutathione reductase, glutathione peroxidase and glutathione S-transferase to different antibiotics: in vitro approach[J]. Journal of Enzyme Inhibition & Medicinal Chemistry, 2013, 28(4):824-829.

Fourches D, et al. Cheminformatics analysis of assertions mined from literature that describe drug-induced liver injury in different species[J]. Chemical Research in Toxicology, 2010, 23(1):171-183.

**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