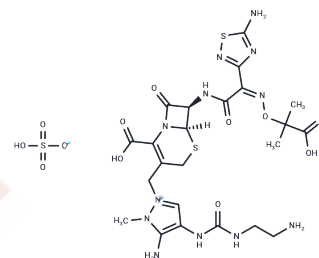


Ceftolozane sulfate

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 936111-69-2 |
| Formula: | C ₂₃ H ₃₂ N ₁₂ O ₁₂ S ₃ |
| Molecular Weight: | 764.77 |
| Storage: | Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small> |



Biological Description

| | |
|---------------|---|
| Description | Ceftolozane sulfate (FR-264205) is a cephalosporin antibiotic with broad-spectrum antimicrobial activity, inhibits <i>P. aeruginosa</i> PAO1, inhibits <i>Pseudomonas aeruginosa</i> , and is used in the study of pneumonia. |
| Targets(IC50) | Antibacterial |

Solubility Information

| | |
|------------|---|
| Solubility | H ₂ O: 5 mg/mL (6.54 mM), Sonication is recommended. DMSO: 40 mg/mL (52.3 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.3076 mL | 6.5379 mL | 13.0758 mL |
| 5 mM | 0.2615 mL | 1.3076 mL | 2.6152 mL |
| 10 mM | 0.1308 mL | 0.6538 mL | 1.3076 mL |
| 50 mM | 0.0262 mL | 0.1308 mL | 0.2615 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Moyá B, et al. Affinity of the new cephalosporin CXA-101 to penicillin-binding proteins of *Pseudomonas aeruginosa*. *Antimicrob Agents Chemother*. 2010 Sep;54(9):3933-7.

Moya B, et al. Activity of a new cephalosporin, CXA-101 (FR264205), against beta-lactam-resistant *Pseudomonas aeruginosa* mutants selected in vitro and after antipseudomonal treatment of intensive care unit patients. *Antimicrob Agents Chemother*. 2010 Mar;54(3):1213-7.

Golan Y. Empiric therapy for hospital-acquired, Gram-negative complicated intra-abdominal infection and complicated urinary tract infections: a systematic literature review of current and emerging treatment options. *BMC Infect Dis*. 2015 Aug 5;15:313. doi: 10.1186/s12879-015-1054-1. Review. PubMed PMID: 26243291; PubMed Central PMCID: PMC4526420.

Cluck D, Lewis P, Stayer B, Spivey J, Moorman J. Ceftolozane-tazobactam: A new-generation cephalosporin. *Am J Health Syst Pharm*. 2015 Dec 15;72(24):2135-46. doi: 10.2146/ajhp150049. Review. PubMed PMID: 26637512.

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:34 Washington Street,Wellesley Hills,MA 02481