Data Sheet (Cat.No.T10751)

TargetMol

Cefetrizole

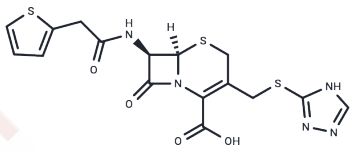
Chemical Properties

CAS No. : 65307-12-2

Formula: C16H15N5O4S3

Molecular Weight: 437.52

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

Description	Ceftezole, an α-glucosidase inhibitor [IC50: 2.1 μM; Ki: 0.578 μM].
Targets(IC50)	Glucokinase,Glucosidase,glycosidase
In vivo	In vivo streptozotocin-induced mouse model, blood glucose levels are decreased by 30% 20 min after Ceftezole treatment (10 mg/kg/day). Expression levels of GSK-3, peroxisome proliferator-activated receptor-γ, and uncoupling protein-3 mRNA are also slightly decreased compared to controls following Ceftezole treatment.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2856 mL	11.428 mL	22.8561 mL
5 mM	0.4571 mL	2.2856 mL	4.5712 mL
10 mM	0.2286 mL	1.1428 mL	2.2856 mL
50 mM	0.0457 mL	0.2286 mL	0.4571 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

Lee DS, et al. Ceftezole, a cephem antibiotic, is an alpha-glucosidase inhibitor with in vivo anti-diabetic activity. Int J Mol Med. 2007 Sep;20(3):379-83.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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