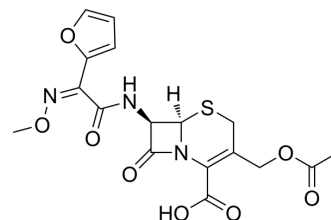


Cefuracetime

Cat. No.:	HY-U00154
CAS No.:	39685-31-9
Molecular Formula:	C ₁₇ H ₁₇ N ₃ O ₈ S
Molecular Weight:	423.4
Target:	Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (236.18 mM; ultrasonic and warming and heat to 60°C)					
	Preparing Stock Solutions	<div>Solvent Concentration</div>	Mass	1 mg	5 mg	10 mg
		1 mM	2.3618 mL	11.8092 mL	23.6183 mL	
		5 mM	0.4724 mL	2.3618 mL	4.7237 mL	
		10 mM	0.2362 mL	1.1809 mL	2.3618 mL	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (5.90 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.90 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	SKF81367 is a cephalosporin antibiotic.
IC ₅₀ & Target	β-lactam

REFERENCES

[1]. Shahid M, et al. Beta-lactams and beta-lactamase-inhibitors in current- or potential-clinical practice: a comprehensive update. Crit Rev Microbiol. 2009;35(2):81-108.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA