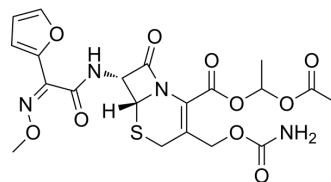


## Cefuroxime axetil

Cat. No.:	HY-B1325
CAS No.:	64544-07-6
Molecular Formula:	C <sub>20</sub> H <sub>22</sub> N <sub>4</sub> O <sub>10</sub> S
Molecular Weight:	510.47
Target:	Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (489.74 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
			1 mM	1.9590 mL	9.7949 mL	19.5898 mL
			5 mM	0.3918 mL	1.9590 mL	3.9180 mL
			10 mM	0.1959 mL	0.9795 mL	1.9590 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: ≥ 2.08 mg/mL (4.07 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (4.07 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (4.07 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	Cefuroxime Axetil, a prodrug of the cephalosporin cefuroxime and an oral broad spectrum antibiotic, inhibits several gram-positive and gram-negative organisms, including those most frequently associated with various common community-acquired infections <sup>[1]</sup> .
IC <sub>50</sub> & Target	β-lactam

### REFERENCES

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

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