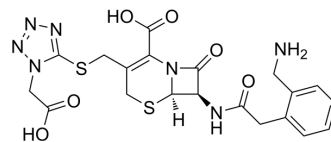


## Ceforanide

Cat. No.:	HY-B1297
CAS No.:	60925-61-3
Molecular Formula:	C <sub>20</sub> H <sub>21</sub> N <sub>7</sub> O <sub>6</sub> S <sub>2</sub>
Molecular Weight:	519.55
Target:	Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	-20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 125 mg/mL (240.59 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
			1 mM	1.9247 mL	9.6237 mL	19.2474 mL
			5 mM	0.3849 mL	1.9247 mL	3.8495 mL
			10 mM	0.1925 mL	0.9624 mL	1.9247 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 (4.00 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (4.00 mM); Clear solution					

### BIOLOGICAL ACTIVITY

Description	Ceforanide is a second generation cephalosporin administered intravenously or intramuscularly. Ceforanide has a spectrum of in vitro antibacterial activity <sup>[1]</sup> .
IC <sub>50</sub> & Target	β-lactam

### REFERENCES

[1]. Campoli-Richards DM, et al. Ceforanide. A review of its antibacterial activity, pharmacokinetic properties and clinical efficacy. *Drugs*. 1987 Oct;34(4):411-37.

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

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