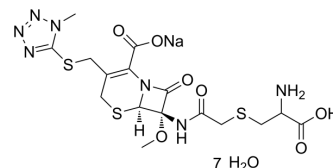


(6R,7S)-Cefminox sodium heptahydrate

Cat. No.:	HY-107330
CAS No.:	92636-39-0
Molecular Formula:	C ₁₆ H ₂₁ N ₇ O ₇ S ₃ ·7H ₂ O·Na
Molecular Weight:	668.68
Target:	Antibiotic
Pathway:	Anti-infection
Storage:	4°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 : 100 mg/mL (149.55 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		1.4955 mL	7.4774 mL	14.9548 mL
		5 mM		0.2991 mL	1.4955 mL	2.9910 mL
10 mM		0.1495 mL	0.7477 mL	1.4955 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 (3.74 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (3.74 mM); Clear solution 3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (3.74 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	(6R,7S)-Cefminox sodium heptahydrate is an isomer of Cefminox sodium heptahydrate. Cefminox sodium heptahydrate is a β-lactam cephalosporin antibiotic, which exhibits a broad spectrum of antibacterial activity ^[1] .
IC₅₀ & Target	β-lactam

REFERENCES

[1]. Inouye S, et, al. In vitro and in vivo antibacterial activities of MT-141, a new semisynthetic cephamycin, compared with those of five cephalosporins. *Antimicrob Agents Chemother.* 1984 Nov;26(5):722-9.

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

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