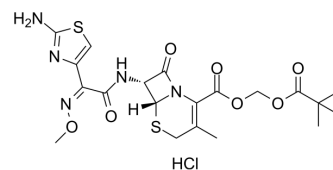


Cefetamet pivoxil hydrochloride

Cat. No.:	HY-B1894A
CAS No.:	111696-23-2
Molecular Formula:	C ₂₀ H ₂₆ ClN ₅ O ₇ S ₂
Molecular Weight:	548
Target:	Bacterial; 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 (182.48 mM)					
	H ₂ O : < 0.1 mg/mL (insoluble)					
	* "≥" means soluble, but saturation unknown.					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
1 mM			1.8248 mL	9.1241 mL	18.2482 mL	
5 mM			0.3650 mL	1.8248 mL	3.6496 mL	
	10 mM		0.1825 mL	0.9124 mL	1.8248 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: ≥ 2.75 mg/mL (5.02 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.75 mg/mL (5.02 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Cefetamet pivoxil hydrochloride is an oral third generation cephalosporin antibiotic.
IC₅₀ & Target	β-lactam

REFERENCES

[1]. Sateesha S, et al. Formulation development and rheological studies of palatable cefetamet pivoxil hydrochloride dry powder suspension. Daru. 2011;19(2):118-125.

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

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