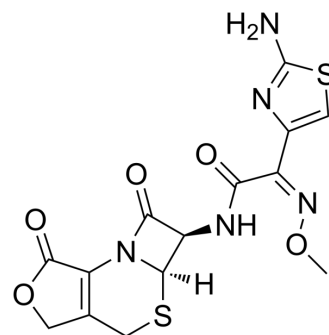


3-Desacetyl Cefotaxime lactone

Cat. No.:	HY-135394		
CAS No.:	66340-33-8		
Molecular Formula:	C ₁₄ H ₁₃ N ₅ O ₅ S ₂		
Molecular Weight:	395.41		
Target:	Drug Metabolite; Antibiotic		
Pathway:	Metabolic Enzyme/Protease; Anti-infection		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (316.13 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.5290 mL	12.6451 mL	25.2902 mL
5 mM	0.5058 mL	2.5290 mL	5.0580 mL
10 mM	0.2529 mL	1.2645 mL	2.5290 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

3-Desacetyl Cefotaxime lactone is the active metabolite of Cefotaxime. Cefotaxime sodium salt is a third-generation cephalosporin antibiotic.

IC₅₀ & Target

β-lactam

REFERENCES

[1]. Szultka-Mlynska M, et al. Application of solid phase microextraction followed by liquid chromatography-mass spectrometry in the determination of antibiotic drugs and their metabolites in human whole blood and tissue samples. *J Chromatogr B Analyt Technol Biomed Life Sci.* 2018 Jun 1;1086:153-165.

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

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