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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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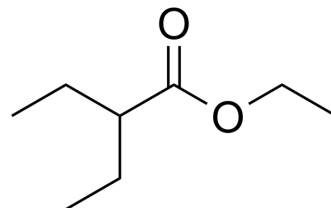
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Etzadroxil

Cat. No.:	HY-W127442		
CAS No.:	2983-38-2		
Molecular Formula:	C ₈ H ₁₆ O ₂		
Molecular Weight:	144.21		
Target:	Bacterial		
Pathway:	Anti-infection		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (693.43 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration Mass	1 mg	5 mg	10 mg
		1 mM	6.9343 mL	34.6717 mL	69.3433 mL
		5 mM	1.3869 mL	6.9343 mL	13.8687 mL
		10 mM	0.6934 mL	3.4672 mL	6.9343 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 (17.34 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (17.34 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (17.34 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Etzadroxil (Ethyl 2-Ethylbutyrate) is a volatile ester compound. Sulopenem Etzadroxil is an orally available ester proagent form of Sulopenem, an antibiotic with broad-spectrum activities against Gram-positive and Gram-negative bacteria ^{[1][2]} .
In Vitro	Sulopenem Etzadroxil is an orally available ester prodrug form of sulopenem. After oral administration of sulopenem etzadroxil, the ester bond is cleaved, releasing active Sulopenem^[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Roberto Rodríguez Madrera, et al. Determination of volatile compounds in cider spirits by gas chromatography with direct injection. J Chromatogr Sci. 2007 Aug;45(7):428-34.
- [2]. Ben Turner, et al. Interscience Conference on Antimicrobial Agents and Chemotherapy--49th annual meeting. Part 2. 12-15 September 2009, San Francisco, CA, USA. IDrugs. 2009 Nov;12(11):670-2.
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Caution: Product has not been fully validated for medical applications. For research use only.

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