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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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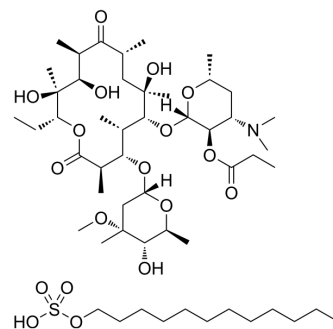
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Erythromycin estolate

Cat. No.:	HY-N7121
CAS No.:	3521-62-8
Molecular Formula:	C ₅₂ H ₉₇ NO ₁₈ S
Molecular Weight:	1056.39
Target:	Bacterial
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 (94.66 mM; Need ultrasonic)				
	Preparing Stock Solutions	Solvent Concentration Mass	1 mg	5 mg	10 mg
		1 mM	0.9466 mL	4.7331 mL	9.4662 mL
		5 mM	0.1893 mL	0.9466 mL	1.8932 mL
		10 mM	0.0947 mL	0.4733 mL	0.9466 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 (1.97 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (1.97 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (1.97 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Erythromycin estolate, erythromycin derivative ^[1] , is a macrolide antibiotic used in the treatment of a wide variety of bacterial infections. Erythromycin estolate causes several cases of liver injury which mostly include cholestatic hepatitis. Erythromycin estolate toxicity is related to its inhibitory effect on bile acid transport ^[2] .
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CUSTOMER VALIDATION

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- Viruses. 2019 Nov 15;11(11):1064.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. David E. Kleiner, et al. Learn more about Erythromycin Estolate. Biomaterials and Medical Device - Associated Infections, 2015

[2]. Lu X, et al. Integrated systems toxicology approaches identified the possible involvement of ABC transporters pathway in erythromycin estolate-induced liver injury in rat. Food Chem Toxicol. 2014 Mar;65:343-55.

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

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