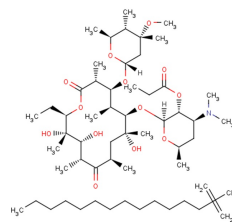


Erythromycin estolate

Chemical Properties

CAS No.:	3521-62-8
Formula:	C ₅₂ H ₉₇ NO ₁₈ S
Molecular Weight:	1056.39
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Erythromycin estolate is a macrolide antibiotic used in the treatment of a wide variety of bacterial infections. It induces several cases of liver injury which mostly include cholestatic hepatitis. Its toxicity is related to its inhibitory effect on bile acid transport.
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.947 mL	4.733 mL	9.466 mL
5 mM	0.189 mL	0.947 mL	1.893 mL
10 mM	0.095 mL	0.473 mL	0.947 mL
50 mM	0.019 mL	0.095 mL	0.189 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

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.

Inhibitors · Natural Compounds · Compound Libraries

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