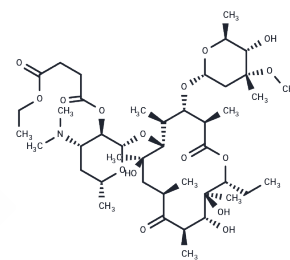


## Erythromycin ethylsuccinate

## Chemical Properties

CAS No. :	1264-62-6
Formula:	C43H75NO16
Molecular Weight:	862.05
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



## Biological Description

Description	Erythromycin ethylsuccinate (EES) is a macrolide antibiotic, produced by <i>Streptomyces erythreus</i> .
Targets(IC50)	ribosome,HIV Protease,Antibacterial,Antibiotic,Autophagy
In vitro	It inhibits protein synthesis by binding to 50S ribosomal subunits. This binding process inhibits peptidyl transferase activity and interferes with translocation of amino acids during translation and assembly of proteins.

## Solubility Information

Solubility	H2O: < 1 mg/mL (insoluble or slightly soluble), Ethanol: 158 mg/mL (183.28 mM),Sonication is recommended. DMSO: 250 mg/mL (290.01 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 4 mg/mL (4.64 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

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	<b>1mg</b>	<b>5mg</b>	<b>10mg</b>
1 mM	1.160 mL	5.8001 mL	11.6003 mL
5 mM	0.232 mL	1.160 mL	2.3201 mL
10 mM	0.116 mL	0.580 mL	1.160 mL
50 mM	0.0232 mL	0.116 mL	0.232 mL

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Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

#### Reference

Norrby R. Infectious diseases in clinical practice, 1994, 3 (6), 405-410.

Peeters T, et al. Am J Physiol, 1989, 257(3 Pt 1), 470-474.

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