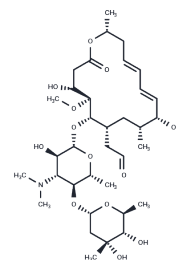


## Leucomycin

## Chemical Properties

CAS No. :	1392-21-8
Formula:	C <sub>35</sub> H <sub>59</sub> N <sub>3</sub> O <sub>13</sub>
Molecular Weight:	701.85
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Leucomycin (Turimycin) is a macrolide antibiotic.
Targets(IC50)	Antibacterial, Antibiotic

## Solubility Information

Solubility	Ethanol: 91 mg/mL (129.66 mM), Sonication is recommended. DMSO: 250 mg/mL (356.2 mM) ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: $< 10$ mg/mL (14.25 mM), Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 10 mg/mL (14.25 mM), Solution. <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

	1mg	5mg	10mg
1 mM	1.4248 mL	7.124 mL	14.2481 mL
5 mM	0.285 mL	1.4248 mL	2.8496 mL
10 mM	0.1425 mL	0.7124 mL	1.4248 mL
50 mM	0.0285 mL	0.1425 mL	0.285 mL

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

Zhang C, et al. Anaerobe. 2016 Dec;42:188-196.

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