

## Rosaramicin

## Chemical Properties

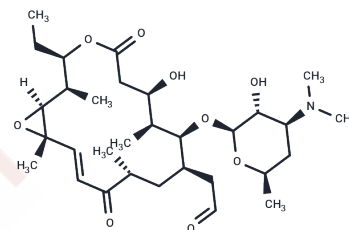
CAS No. : 35834-26-5

Formula: C<sub>31</sub>H<sub>51</sub>N<sub>9</sub>O

Molecular Weight: 581.74

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   | Rosaramicin, a lipid-soluble basic macrolide, is an antibacterial substance similar to erythromycin but with a better activity against Gram-negative bacteria. |
| Targets(IC50) | Others,Antibiotic  |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.719 mL  | 8.5949 mL | 17.1898 mL |
| 5 mM  | 0.3438 mL | 1.719 mL  | 3.438 mL   |
| 10 mM | 0.1719 mL | 0.8595 mL | 1.719 mL   |
| 50 mM | 0.0344 mL | 0.1719 mL | 0.3438 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

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- Funaishi K, Kawamura K, Satoh F, Hiramatsu M, Hagiwara M, Okanish M. New analogues of rosaramicin isolated from a *Micromonospora* strain. I. Taxonomy, fermentation, isolation and physico-chemical and biological properties. *J Antibiot (Tokyo)*. 1990 Aug;43(8):938-47. PubMed PMID: 2088343.
- Baughn RE, Musher DM, Adams CB, Knox JM. Evaluation of rosaramicin phosphate in treatment of experimental syphilis in rabbits. *Antimicrob Agents Chemother*. 1981 Jan;19(1):117-21. PubMed PMID: 7018381; PubMed Central PMCID: PMC181368.
- Robson HG, Shah PP, Lalonde RG, Hayes L, Senikas VM. Comparison of rosaramicin and erythromycin stearate for treatment of cervical infection with *Chlamydia trachomatis*. *Sex Transm Dis*. 1983 Jul-Sep;10(3):130-4. PubMed PMID: 6648747.

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