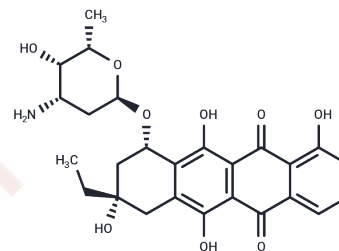


## 13-Deoxycarminomycin

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 76034-18-9  |
| Formula:          | C <sub>26</sub> H <sub>29</sub> N <sub>1</sub> O <sub>9</sub>   |
| Molecular Weight: | 499.51  |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |



## Biological Description

|               |  |
|---------------|--|
| Description   | 13-Deoxycarminomycin is an antitumor antibiotic. |
| Targets(IC50) | Others, Antibacterial, Antibiotic                |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.002 mL  | 10.0098 mL | 20.0196 mL |
| 5 mM  | 0.4004 mL | 2.002 mL   | 4.0039 mL  |
| 10 mM | 0.2002 mL | 1.001 mL   | 2.002 mL   |
| 50 mM | 0.040 mL  | 0.2002 mL  | 0.4004 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

Cassinelli G, Forenza S, Rivola G, Arcamone F, Grein A, Merli S, Casazza AM. 13-Deoxycarminomycin, a new biosynthetic anthracycline. *J Nat Prod.* 1985 May-Jun;48(3):435-9. PubMed PMID: 3861771.

Dickens ML, Priestley ND, Strohl WR. In vivo and in vitro bioconversion of epsilon-rhodomycinone glycoside to doxorubicin: functions of DauP, DauK, and DoxA. *J Bacteriol.* 1997 Apr;179(8):2641-50. PubMed PMID: 9098063; PubMed Central PMCID: PMC179014.

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