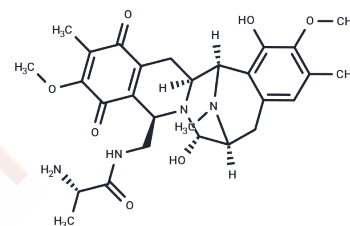


## Safracin B

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 87578-99-2  |
| Formula:          | C <sub>28</sub> H <sub>36</sub> N <sub>4</sub> O <sub>7</sub>   |
| Molecular Weight: | 540.617   |
| 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   | EM 5519 is an antitumor antibiotic. |
| Targets(IC50) | Others,Antibiotic                   |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.8497 mL | 9.2486 mL | 18.4973 mL |
| 5 mM  | 0.3699 mL | 1.8497 mL | 3.6995 mL  |
| 10 mM | 0.185 mL  | 0.9249 mL | 1.8497 mL  |
| 50 mM | 0.037 mL  | 0.185 mL  | 0.3699 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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- Ikeda Y, Matsuki H, Ogawa T, Munakata T. Safracins, new antitumor antibiotics. II. Physicochemical properties and chemical structures. *J Antibiot (Tokyo)*. 1983 Oct;36(10):1284-9. PubMed PMID: 6643278.
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