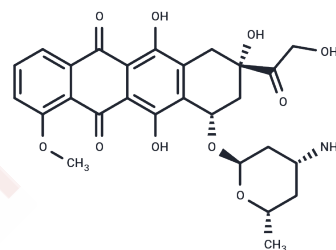


Esorubicin

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 63521-85-7 |
| Formula: | C ₂₇ H ₂₉ N ₁ O ₁₀ |
| Molecular Weight: | 527.52 |
| 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 | Esorubicin is a synthetic derivative of the anthracycline antineoplastic antibiotic doxorubicin with potential antineoplastic activity. Esorubicin intercalates into DNA and inhibits topoisomerase II, thereby inhibiting DNA replication and ultimately, interfering with RNA and protein synthesis. This agent exhibits less cardiotoxicity than the parent antibiotic doxorubicin, but may cause more severe myelosuppression compared to other compounds within the anthracycline class. Check for active clinical trials or closed clinical trials using this agent. (NCI Thesaurus). |
| Targets(IC50) | Others |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.8957 mL | 9.4783 mL | 18.9566 mL |
| 5 mM | 0.3791 mL | 1.8957 mL | 3.7913 mL |
| 10 mM | 0.1896 mL | 0.9478 mL | 1.8957 mL |
| 50 mM | 0.0379 mL | 0.1896 mL | 0.3791 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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