

## 3-Formyl rifamycin

## Chemical Properties

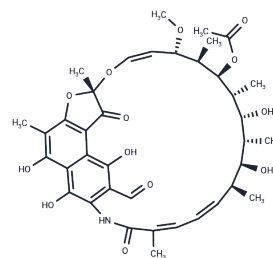
CAS No. : 13292-22-3

Formula: C<sub>38</sub>H<sub>47</sub>N<sub>3</sub>O<sub>13</sub>

Molecular Weight: 725.78

Storage: Keep away from direct sunlight, Store under nitrogen  
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   | 3-Formyl rifamycin is a degradation product of Rifampicin, with antibacterial activity. |
| Targets(IC50) | Antibacterial, Antibiotic   |

## Solubility Information

|                     |   |
|---------------------|---|
| Solubility          | DMSO: 50 mg/mL (68.89 mM), Sonication is recommended.<br>H <sub>2</sub> O: < 0.1 mg/mL (insoluble)<br>(< 1 mg/ml refers to the product slightly soluble or insoluble)   |
| In vivo Formulation | 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (2.76 mM), Sonication is recommended.<br><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  | 1.3778 mL | 6.8891 mL | 13.7783 mL |
| 5 mM  | 0.2756 mL | 1.3778 mL | 2.7557 mL  |
| 10 mM | 0.1378 mL | 0.6889 mL | 1.3778 mL  |
| 50 mM | 0.0276 mL | 0.1378 mL | 0.2756 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

Greenaway JC, Fantel AG. Enhancement of rifampin teratogenicity in cultured rat embryos. Toxicol Appl Pharmacol. 1983 Jun 15;69(1):81-8.

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