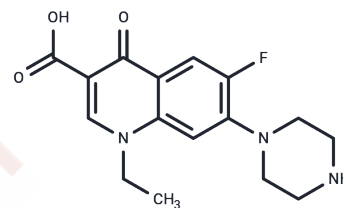


## Norfloxacin

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 70458-96-7  |
| Formula:          | C <sub>16</sub> H <sub>18</sub> FN <sub>3</sub> O <sub>3</sub>  |
| Molecular Weight: | 319.33  |
| 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   | Norfloxacin (MK-0366)(Norxacin) is a broad-spectrum antibiotic that is active against both Gram-positive and Gram-negative bacteria. |
| Targets(IC50) | Endogenous Metabolite,Antibacterial,Antibiotic,DNA gyrase,Topoisomerase  |

## Solubility Information

|            |  |
|------------|--|
| Solubility | DMSO: 5 mg/mL (15.66 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 3.1316 mL | 15.6578 mL | 31.3156 mL |
| 5 mM  | 0.6263 mL | 3.1316 mL  | 6.2631 mL  |
| 10 mM | 0.3132 mL | 1.5658 mL  | 3.1316 mL  |
| 50 mM | 0.0626 mL | 0.3132 mL  | 0.6263 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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