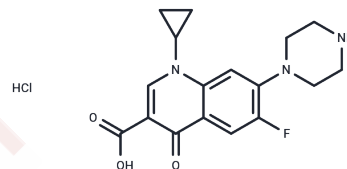


Ciprofloxacin monohydrochloride

Chemical Properties

| | |
|-------------------|--|
| CAS No. : | 93107-08-5 |
| Formula: | C ₁₇ H ₁₈ FN ₃ O ₃ ·HCl |
| Molecular Weight: | 367.80 |
| Storage: | Powder: -20°C for 3 years Actual storage temperature shall be subject to the COA. |



Biological Description

| | |
|---------------|---|
| Description | Ciprofloxacin monohydrochloride (Bay-09867 hydrochloride) is a broad-spectrum antimicrobial carboxyfluoroquinolone. |
| Targets(IC50) | Apoptosis, Reactive Oxygen Species, Mitochondrial Metabolism, Antibacterial, Antibiotic, DNA gyrase, ROS, Topoisomerase |

Solubility Information

| | |
|------------|--|
| Solubility | DMSO: 5 mg/mL (13.59 mM), Sonication is recommended. H ₂ O: 30.03 mg/mL (81.65 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.7189 mL | 13.5943 mL | 27.1887 mL |
| 5 mM | 0.5438 mL | 2.7189 mL | 5.4377 mL |
| 10 mM | 0.2719 mL | 1.3594 mL | 2.7189 mL |
| 50 mM | 0.0544 mL | 0.2719 mL | 0.5438 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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Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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