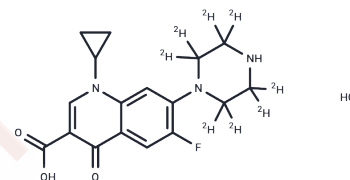


Ciprofloxacin-D8 hydrochloride

Chemical Properties

CAS No. : 1216659-54-9
 Formula: C₁₇H₁₁D₈ClFN₃O₃
 Molecular Weight: 375.85
 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 | Ciprofloxacin-D8 hydrochloride is a deuterated compound of Ciprofloxacin Hydrochloride. Ciprofloxacin Hydrochloride (T0250) has a CAS number of 93107-08-5. Ciprofloxacin hydrochloride is a broad-spectrum antimicrobial carboxyfluoroquinolone. |
| Targets(IC50) | Antibacterial, Antibiotic |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.6606 mL | 13.3032 mL | 26.6064 mL |
| 5 mM | 0.5321 mL | 2.6606 mL | 5.3213 mL |
| 10 mM | 0.2661 mL | 1.3303 mL | 2.6606 mL |
| 50 mM | 0.0532 mL | 0.2661 mL | 0.5321 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

Lee JK, et al. Microbiol Immunol. 2005;49(7):647-53.

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