

MRL-494 hydrochloride

Chemical Properties

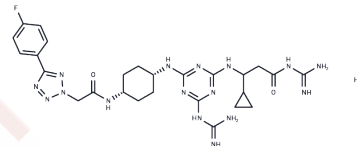
CAS No. :

Formula: C₂₆H₃₆ClFN₁₆O₂

Molecular Weight: 659.12

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 | MRL-494 hydrochloride, an antibacterial agent, is a inhibitor of β -barrel assembly machine A (BamA) impervious to efflux and the outer membrane permeability barrier. MRL-494 hydrochloride can inhibits Gram-positive (MIC of 12.5 μ M for Staphylococcus aureus COL) and Gram-negative (MIC of 25 μ M for E. coli JCM158) bacterias . |
| Targets(IC50) | Others |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.5172 mL | 7.5859 mL | 15.1717 mL |
| 5 mM | 0.3034 mL | 1.5172 mL | 3.0343 mL |
| 10 mM | 0.1517 mL | 0.7586 mL | 1.5172 mL |
| 50 mM | 0.0303 mL | 0.1517 mL | 0.3034 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

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