

DHFS-IN-1

Chemical Properties

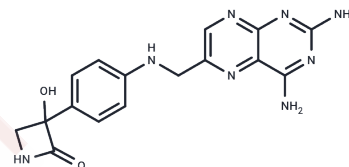
CAS No. : 2995300-60-0

Formula: C₁₆H₁₆N₈O₂

Molecular Weight: 352.35

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 | DHFS-IN-1 (Compound 3) is an inhibitor of dihydrofolate synthetase (DHFS) with an IC ₅₀ of 2.6 μM. It is applicable for research into infectious diseases related to bacterial folate synthesis. |
| Targets(IC ₅₀) | Antibacterial |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.8381 mL | 14.1904 mL | 28.3809 mL |
| 5 mM | 0.5676 mL | 2.8381 mL | 5.6762 mL |
| 10 mM | 0.2838 mL | 1.419 mL | 2.8381 mL |
| 50 mM | 0.0568 mL | 0.2838 mL | 0.5676 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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