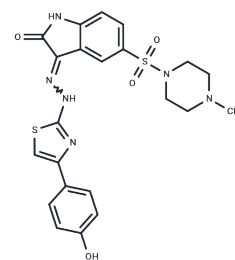


## DHFR-IN-1

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 2757991-65-2  |
| Formula:          | C22H22N6O4S2  |
| Molecular Weight: | 498.58  |
| 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   | DHFR-IN-1 is a selective and potent inhibitor of DHFR (dihydrofolate reductase) (IC50: 40.71 nM). DHFR-IN-1 exhibited some antifungal activity and good antibacterial activity against Gram-positive and Gram-negative bacteria. DHFR-IN-1 showed good synergy with Levofloxacin with FIC (partial inhibitory concentration index) = 0.249. |
| Targets(IC50) | Others, Antibacterial, Antifungal   |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg      |
|-------|-----------|------------|-----------|
| 1 mM  | 2.0057 mL | 10.0285 mL | 20.057 mL |
| 5 mM  | 0.4011 mL | 2.0057 mL  | 4.0114 mL |
| 10 mM | 0.2006 mL | 1.0028 mL  | 2.0057 mL |
| 50 mM | 0.0401 mL | 0.2006 mL  | 0.4011 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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