

Topoisomerases/ribosomes-IN-1

Chemical Properties

CAS No. :

Formula: C53H83FN6O15

Molecular Weight: 1063.26

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

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| Description | Topoisomerases/ribosomes-IN-1 (compound 30f) serves as an inhibitor targeting both ribosomes and topoisomerases, specifically exhibiting inhibitory actions against constitutively macrolide-resistant bacteria. This compound effectively suppresses bacterial protein synthesis (IC 50 : 0.647 μ M) and hampers DNA replication (IC 50 : 0.218 μ M). |
| Targets(IC50) | Topoisomerase |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|-----------|
| 1 mM | 0.9405 mL | 4.7025 mL | 9.405 mL |
| 5 mM | 0.1881 mL | 0.9405 mL | 1.881 mL |
| 10 mM | 0.0941 mL | 0.4703 mL | 0.9405 mL |
| 50 mM | 0.0188 mL | 0.0941 mL | 0.1881 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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