

## 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

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 $\mu$ M) and hampers DNA replication (IC 50 : 0.218 $\mu$ 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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