

## DNA gyrase/Topo IV-IN-1

## Chemical Properties

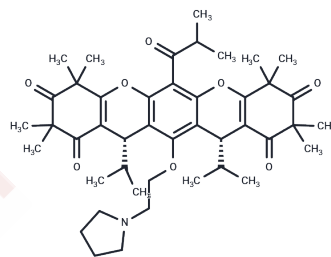
CAS No. :

Formula: C44H59NO8

Molecular Weight: 729.941

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	DNA gyrase/Topo IV-IN-1 (Compound 27) is an inhibitor of DNA gyrase and topoisomerase IV with antibacterial properties. It exhibits IC50 values of 11 and 17 nM against the DNA gyrase of Escherichia coli and methicillin-resistant Staphylococcus aureus, respectively, and IC50 values of 83 and 21 nM against topoisomerase IV of the same organisms. DNA gyrase/Topo IV-IN-1 is applicable in anti-infective research.
Targets(IC50)	Antibacterial, Antibiotic, Topoisomerase

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.370 mL	6.8499 mL	13.6998 mL
5 mM	0.274 mL	1.370 mL	2.740 mL
10 mM	0.137 mL	0.685 mL	1.370 mL
50 mM	0.0274 mL	0.137 mL	0.274 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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