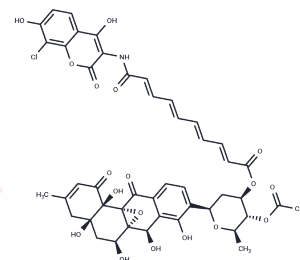


Simocyclinone D8

Chemical Properties

CAS No. :	301845-97-6
Formula:	C ₄₆ H ₄₂ ClNO ₁₈
Molecular Weight:	932.27
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	Simocyclinone D8 is an anthracycline antibiotic that exhibits antimicrobial activity against Gram-positive bacteria and has antitumor properties. Its mechanism of action involves inhibiting DNA gyrase (DNA gyrase), which in turn suppresses various tumor cell lines.
Targets(IC50)	Antibacterial,DNA/RNA Synthesis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0727 mL	5.3633 mL	10.7265 mL
5 mM	0.2145 mL	1.0727 mL	2.1453 mL
10 mM	0.1073 mL	0.5363 mL	1.0727 mL
50 mM	0.0215 mL	0.1073 mL	0.2145 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481