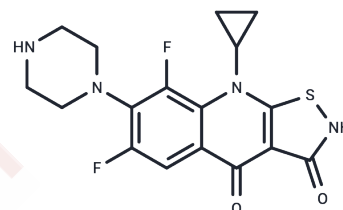


A 65281

## Chemical Properties

CAS No. : 111279-49-3  
 Formula: C<sub>17</sub>H<sub>16</sub>F<sub>2</sub>N<sub>4</sub>O<sub>2</sub>S  
 Molecular Weight: 378.4  
 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	A 65281 is an antibacterial isothiazoloquinolone and a potent inhibitor of the P4-unknotting reaction. It induces considerable DNA breakage mediated by calf thymus topoisomerase II.
Targets(IC50)	Others,Antibacterial,DNA/RNA Synthesis

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6427 mL	13.2135 mL	26.4271 mL
5 mM	0.5285 mL	2.6427 mL	5.2854 mL
10 mM	0.2643 mL	1.3214 mL	2.6427 mL
50 mM	0.0529 mL	0.2643 mL	0.5285 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.

## Reference

Kohlbrener WE, Wideburg N, Weigl D, Saldivar A, Chu DT. Induction of calf thymus topoisomerase II-mediated DNA breakage by the antibacterial isothiazoloquinolones A-65281 and A-65282. Antimicrob Agents Chemother. 1992 Jan;36(1):81-6. PubMed PMID: 1317151; PubMed Central PMCID: PMC189231.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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