

## Antibacterial agent 272

## Chemical Properties

CAS No. :

Formula:

Molecular Weight:

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	Antibacterialagent 272 (Compound Z22) is a potential antibacterial agent that targets the DNA and DNA-topoisomerase II (DNA-Topo II) complex. It exhibits strong antibacterial activity, with a minimum inhibitory concentration (MIC) of 1 µg/mL against Staphylococcus aureus 25923 and 29213, 2 µg/mL against Staphylococcus epidermidis 12228, 2-4 µg/mL against Enterococcus faecalis, and 4 µg/mL against Pseudomonas aeruginosa 9027 and 27853. Antibacterialagent 272 binds by intercalating between DNA base pairs, disrupting the normal function of bacterial DNA, and is suitable for research into bacterial infectious diseases.
Targets(IC50)	Antibacterial

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