

## Anti-MRSA agent 25

### 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	Anti-MRSA agent 25 (Compound 10c) is an antibacterial compound with a minimum inhibitory concentration (MIC) of 0.25 µg/mL against methicillin-resistant Staphylococcus aureus (MRSA). Its antimicrobial activity is achieved by inhibiting biofilm formation, disrupting the cell wall (interacting with peptidoglycan and lipoteichoic acid), acting on the cell membrane (causing depolarization, increasing permeability, and compromising integrity), reducing metabolic activity, interfering with cellular redox homeostasis, and binding to DNA. Anti-MRSA agent 25 holds potential for research in the field of anti-infective therapeutics.
Targets(IC50)	Antibacterial

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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