

## Antimicrobial agent-42

### 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	Antimicrobial agent-42 (Compound 6j) functions as an antibacterial compound. It interacts with essential amino acids in the ALS3 protein, such as Lys59 and Ser170, which are crucial for host peptide binding. This compound significantly inhibits the formation of <i>Candida albicans</i> biofilms and reduces planktonic cell aggregation and hyphal formation. Antimicrobial agent-42 exhibits antifungal properties, indicating its potential in fungal infection research.
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