

## Anti-MRSA agent 21

### Chemical Properties

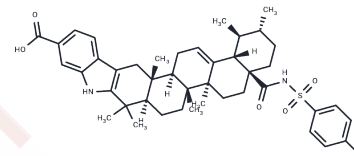
CAS No. : 3060716-02-8

Formula: C43H53ClN2O5S

Molecular Weight: 745.41

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 21 (Compound 27) demonstrates antibacterial activity against MRSA with a minimum inhibitory concentration (MIC) of 1 $\mu$ M. It disrupts the bacterial cell membrane and increases reactive oxygen species. |
| Targets(IC50) | Reactive Oxygen Species, Antibacterial   |

### Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.3415 mL | 6.7077 mL | 13.4154 mL |
| 5 mM  | 0.2683 mL | 1.3415 mL | 2.6831 mL  |
| 10 mM | 0.1342 mL | 0.6708 mL | 1.3415 mL  |
| 50 mM | 0.0268 mL | 0.1342 mL | 0.2683 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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