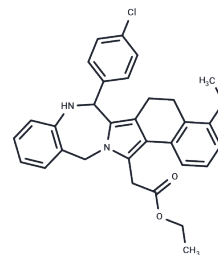


## Anti-MRSA agent 12

## Chemical Properties

CAS No. :	2314380-76-0
Formula:	C <sub>31</sub> H <sub>29</sub> ClN <sub>2</sub> O <sub>3</sub>
Molecular Weight:	513.03
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 12 (Compound SM-5) is an antibiotic that exhibits antibacterial activity, with minimum inhibitory concentrations (MICs) of 7.81 $\mu$ M for both <i>Staphylococcus aureus</i> and <i>S. epidermidis</i> , and 62.5 $\mu$ M for <i>Escherichia coli</i> . Additionally, it inhibits methicillin-resistant <i>S. aureus</i> (MRSA) by preventing the formation of biofilms.
Targets(IC50)	Antibacterial, Antibiotic

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9492 mL	9.746 mL	19.492 mL
5 mM	0.3898 mL	1.9492 mL	3.8984 mL
10 mM	0.1949 mL	0.9746 mL	1.9492 mL
50 mM	0.039 mL	0.1949 mL	0.3898 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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