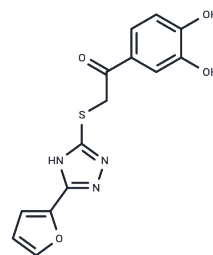


## Antimicrobial agent-38

## Chemical Properties

CAS No. :	430444-03-4
Formula:	C <sub>14</sub> H <sub>11</sub> N <sub>3</sub> O <sub>4</sub> S
Molecular Weight:	317.32
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-38 (compound 10) effectively inhibits methicillin-resistant <i>Staphylococcus aureus</i> ( <i>S. aureus</i> ) strain ATCC 700699 and non-resistant strain ATCC 29213, with minimum inhibitory concentrations (MIC) of 32 mg/L and 64 mg/L, respectively.
Targets(IC50)	Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1514 mL	15.757 mL	31.5139 mL
5 mM	0.6303 mL	3.1514 mL	6.3028 mL
10 mM	0.3151 mL	1.5757 mL	3.1514 mL
50 mM	0.063 mL	0.3151 mL	0.6303 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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