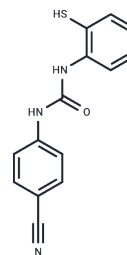


## Antimicrobial agent-3

## Chemical Properties

CAS No. :	1902712-34-8
Formula:	C <sub>14</sub> H <sub>11</sub> N <sub>3</sub> O <sub>2</sub> S
Molecular Weight:	269.32
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-3 (Compound U10) is an antimicrobial agent effective against bacterial, fungal, and tubercular infections [1].
Targets(IC50)	Others,Antibacterial,Antifungal
In vitro	Antimicrobial Agent-3 (Compound U10) demonstrates effective antimicrobial properties, with Minimum Inhibitory Concentration (MIC) values measuring 8, 16, 16, 128, 2, 32, and 12.5 µg/mL against Staphylococcus aureus ATCC 29213, Methicillin-Resistant Staphylococcus aureus (MRSA) ATCC 43300, Enterococcus faecalis ATCC 29212, Escherichia coli ATCC 25922, Pseudomonas aeruginosa ATCC 27853, Candida albicans ATCC 90028, and Mycobacterium tuberculosis H37Rv, in the order mentioned [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7131 mL	18.5653 mL	37.1306 mL
5 mM	0.7426 mL	3.7131 mL	7.4261 mL
10 mM	0.3713 mL	1.8565 mL	3.7131 mL
50 mM	0.0743 mL	0.3713 mL	0.7426 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

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481