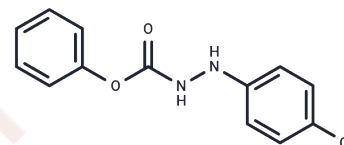


## Antibiofilm agent-12

## Chemical Properties

CAS No. :	480452-24-2
Formula:	C <sub>13</sub> H <sub>11</sub> ClN <sub>2</sub> O <sub>2</sub>
Molecular Weight:	262.69
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	Antibiofilm agent-12 (Compound C13), an antifungal belonging to the carbamate derivatives, exhibits significant antifungal activity against <i>Candida auris</i> , with an MIC <sub>90</sub> of 237.9 μM. It inhibits the drug efflux pump activity of <i>Candida auris</i> and promotes ergosterol depletion, thereby hindering the formation of <i>Candida auris</i> biofilms and reducing its metabolic flexibility. Additionally, Antibiofilm agent-12 demonstrates antifungal efficacy in a <i>C. elegans</i> model following <i>Candida auris</i> infection.
Targets(IC50)	Antifungal

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8068 mL	19.0338 mL	38.0677 mL
5 mM	0.7614 mL	3.8068 mL	7.6135 mL
10 mM	0.3807 mL	1.9034 mL	3.8068 mL
50 mM	0.0761 mL	0.3807 mL	0.7614 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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