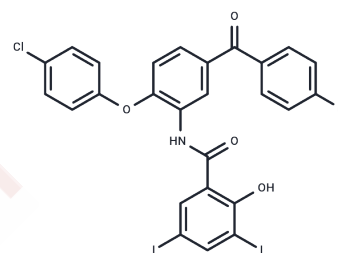


## Antibacterial agent 116

## Chemical Properties

CAS No. :	99330-28-6
Formula:	C <sub>26</sub> H <sub>15</sub> Cl <sub>2</sub> I <sub>2</sub> N <sub>2</sub> O <sub>4</sub>
Molecular Weight:	730.12
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	Antibacterial agent 116, a benzophenone-containing salicylanilide compound, exhibits potent antibacterial activity by inhibiting peptidoglycan formation. It is employed as a photoaffinity probe to label <i>Acinetobacter baumannii</i> penicillin-binding protein (PBP1b), thereby blocking the propagation pathway and disrupting the growth of the peptidoglycan chain.
Targets(IC50)	Others, Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3696 mL	6.8482 mL	13.6964 mL
5 mM	0.2739 mL	1.3696 mL	2.7393 mL
10 mM	0.137 mL	0.6848 mL	1.3696 mL
50 mM	0.0274 mL	0.137 mL	0.2739 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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