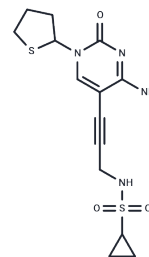


## Antibacterial agent 255

## Chemical Properties

CAS No. :	945980-50-7
Formula:	C <sub>14</sub> H <sub>18</sub> N <sub>4</sub> O <sub>3</sub> S <sub>2</sub>
Molecular Weight:	354.45
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 255 (compound (±)-1) is a potent antibacterial agent, acting as an effective and selective inhibitor of 4-diphosphocytidyl-2-C-methyl-D-erythritol (IspE). It exhibits IC <sub>50</sub> values of 13.0, 8.0, and 20 μM against EclspE, KplspE, and AblspE, respectively.
Targets(IC <sub>50</sub> )	Others, Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8213 mL	14.1064 mL	28.2127 mL
5 mM	0.5643 mL	2.8213 mL	5.6425 mL
10 mM	0.2821 mL	1.4106 mL	2.8213 mL
50 mM	0.0564 mL	0.2821 mL	0.5643 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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