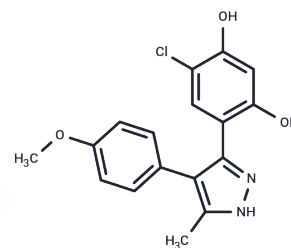


Antibacterial agent 241

Chemical Properties

CAS No. :	558638-15-6
Formula:	C ₁₇ H ₁₅ ClN ₂ O ₃
Molecular Weight:	330.77
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	Anti bacterial agent 241 functions as a histidine kinase (HK) inhibitor, exhibiting IC ₅₀ values of 14 μM for CckA and 238 μM for PhoQ. It demonstrates moderate antibacterial activity against Escherichia coli DC2, Crescentia crescentus, and Bacillus subtilis, with minimum inhibitory concentrations (MIC) ranging from 12 to 74 μg/mL.
Targets(IC ₅₀)	Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0232 mL	15.1162 mL	30.2325 mL
5 mM	0.6046 mL	3.0232 mL	6.0465 mL
10 mM	0.3023 mL	1.5116 mL	3.0232 mL
50 mM	0.0605 mL	0.3023 mL	0.6046 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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