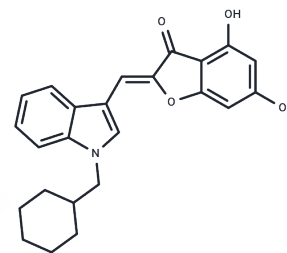


## NDM-1 inhibitor-5

## Chemical Properties

CAS No. : 1613045-02-5  
 Formula: C<sub>24</sub>H<sub>23</sub>NO<sub>4</sub>  
 Molecular Weight: 389.44  
 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	NDM-1 Inhibitor-5 (compound 57) exhibits strong inhibition of NDM-1, characterized by a $K_i$ of 2.5 $\mu$ M. Additionally, it demonstrates synergistic antibacterial effects when combined with meropenem [1].
Targets(IC50)	Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5678 mL	12.8389 mL	25.6779 mL
5 mM	0.5136 mL	2.5678 mL	5.1356 mL
10 mM	0.2568 mL	1.2839 mL	2.5678 mL
50 mM	0.0514 mL	0.2568 mL	0.5136 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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