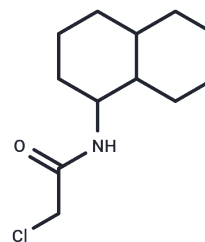


## MurA-IN-2

## Chemical Properties

CAS No. :	2164447-18-9
Formula:	C <sub>12</sub> H <sub>20</sub> ClNO
Molecular Weight:	229.75
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	MurA-IN-2 (compound 37), a potent MurA inhibitor featuring a chloroacetamide fragment with a primary aliphatic amine, exhibits antibacterial activity by inhibiting bacterial cell wall synthesis, with an IC <sub>50</sub> of 39 μM [1].
Targets(IC <sub>50</sub> )	Others,Antibacterial
In vitro	MurA-IN-2 (compound 37; 128 μg/mL) inhibits the activity of <i>S. aureus</i> ATCC29213 and <i>E. coli</i> ATCC25922 bacteria [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3526 mL	21.7628 mL	43.5256 mL
5 mM	0.8705 mL	4.3526 mL	8.7051 mL
10 mM	0.4353 mL	2.1763 mL	4.3526 mL
50 mM	0.0871 mL	0.4353 mL	0.8705 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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