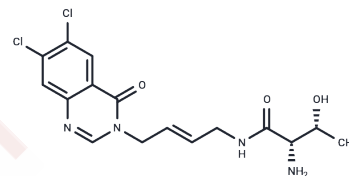


## ThrRS-IN-1

## Chemical Properties

CAS No. : 2408626-64-0  
 Formula: C<sub>16</sub>H<sub>18</sub>Cl<sub>2</sub>N<sub>4</sub>O<sub>3</sub>  
 Molecular Weight: 385.25  
 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	ThrRS-IN-1 (Compound 30d) is a potent inhibitor of threonyl-tRNA synthetase (ThrRS) from <i>Salmonella enterica</i> (Se ThrRS), exhibiting an IC <sub>50</sub> of 1.4 μM and a K <sub>d</sub> of 1.36 μM. It uniquely targets both the tRNA Thr and L-threonine binding sites of ThrRS, demonstrating significant antibacterial activities [1].
Targets(IC50)	Others,Antibacterial

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5957 mL	12.9786 mL	25.9572 mL
5 mM	0.5191 mL	2.5957 mL	5.1914 mL
10 mM	0.2596 mL	1.2979 mL	2.5957 mL
50 mM	0.0519 mL	0.2596 mL	0.5191 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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