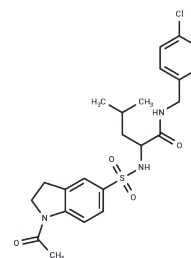


C450-0730

## Chemical Properties

CAS No. : 1036730-46-7  
 Formula: C<sub>23</sub>H<sub>28</sub>ClN<sub>3</sub>O<sub>4</sub>S  
 Molecular Weight: 478.00  
 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   | C450-0730 is a compound that acts as an antagonist to the AHL membrane-bound sensor kinase and the nine-transmembrane protein LuxN in <i>Vibrio harveyi</i> . It competitively binds to the LuxN AI-1 binding site, thereby specifically inhibiting the LuxN/AI-1 quorum sensing signal in <i>Vibrio harveyi</i> . However, its inhibitory effect on LuxN I209F is not significant.. |
| Targets(IC50) | Antibacterial  |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.0921 mL | 10.4603 mL | 20.9205 mL |
| 5 mM  | 0.4184 mL | 2.0921 mL  | 4.1841 mL  |
| 10 mM | 0.2092 mL | 1.046 mL   | 2.0921 mL  |
| 50 mM | 0.0418 mL | 0.2092 mL  | 0.4184 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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