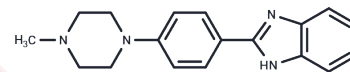


## LasR-IN-4

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 183488-96-2   |
| Formula:          | C <sub>18</sub> H <sub>20</sub> N <sub>4</sub>  |
| Molecular Weight: | 292.38  |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |



## Biological Description

|               |  |
|---------------|--|
| Description   | LasR-IN-4 is a potent LasR protein inhibitor for Pseudomonas aeruginosa. It disrupts 3-oxo-C12-HSL recognition, blocking biofilm formation and virulence factor production in resistance research. |
| Targets(IC50) | Antibacterial  |
| In vitro      | LasR-IN-4 shows an MIC of 56.25 ug/mL against P. aeruginosa and significantly inhibits biofilm (71.7%) and pyocyanin (68.7%) [1].  |

## Solubility Information

|            |   |
|------------|---|
| Solubility | DMSO: 40 mg/mL (136.81 mM), Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|---|

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 3.4202 mL | 17.101 mL | 34.2021 mL |
| 5 mM  | 0.684 mL  | 3.4202 mL | 6.8404 mL  |
| 10 mM | 0.342 mL  | 1.7101 mL | 3.4202 mL  |
| 50 mM | 0.0684 mL | 0.342 mL  | 0.684 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.

## Reference

Lindgren AE, et al. Chemical probes to study ADP-ribosylation: synthesis and biochemical evaluation of inhibitors of the human ADP-ribosyltransferase ARTD3/PARP3. J Med Chem. 2013 Dec 12;56(23):9556-68.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481