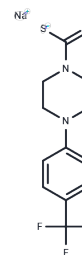


## Antibacterial agent 167

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 1940173-83-0  |
| Formula:          | C <sub>12</sub> H <sub>12</sub> F <sub>3</sub> N <sub>2</sub> NaOS  |
| Molecular Weight: | 312.29  |
| 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   | Compound 167 (Antibacterial agent 167), identified as an inhibitor of pathogenic bacterial carbonic anhydrases, effectively inhibits the growth of N. gonorrhoea strains. The inhibition occurs at concentrations between 16 to 64 µg/mL [1]. |
| Targets(IC50) | Antibacterial, Carbonic Anhydrase   |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 3.2022 mL | 16.0108 mL | 32.0215 mL |
| 5 mM  | 0.6404 mL | 3.2022 mL  | 6.4043 mL  |
| 10 mM | 0.3202 mL | 1.6011 mL  | 3.2022 mL  |
| 50 mM | 0.064 mL  | 0.3202 mL  | 0.6404 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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