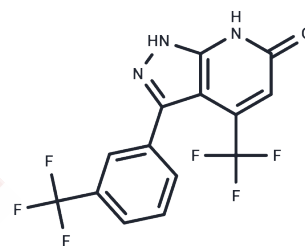


p38 $\alpha$  inhibitor 4

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 1262406-08-5  |
| Formula:          | C <sub>14</sub> H <sub>7</sub> F <sub>6</sub> N <sub>3</sub> O  |
| Molecular Weight: | 347.215   |
| 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   | p38 $\alpha$ inhibitor 4 is a selective MAPK p38 $\alpha$ inhibitor, which is used to study diabetes, pain and chronic inflammation. |
| Targets(IC50) | p38 MAPK   |

## Preparing Stock Solutions

|       | 1mg       | 5mg        | 10mg       |
|-------|-----------|------------|------------|
| 1 mM  | 2.880 mL  | 14.4001 mL | 28.8002 mL |
| 5 mM  | 0.576 mL  | 2.880 mL   | 5.760 mL   |
| 10 mM | 0.288 mL  | 1.440 mL   | 2.880 mL   |
| 50 mM | 0.0576 mL | 0.288 mL   | 0.576 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

Kenneth M Comess, et al. Discovery and characterization of non-ATP site inhibitors of the mitogen activated protein (MAP) kinases. ACS Chem Biol. 2011 Mar 18;6(3):234-44.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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