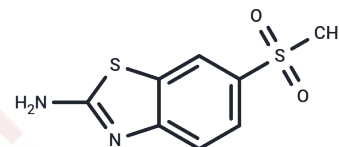


## TbPTR1 inhibitor 2

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 17557-67-4  |
| Formula:          | C <sub>8</sub> H <sub>8</sub> N <sub>2</sub> O <sub>2</sub> S <sub>2</sub>  |
| Molecular Weight: | 228.29  |
| 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   | TbPTR1 inhibitor 2 is identified as a new development of improved pteridine reductase-1 (PTR1) inhibitors and anti-trypanosomatidic agents[1]. |
| Targets(IC50) | Others,Parasite  |

## Solubility Information

|            |  |
|------------|--|
| Solubility | DMSO: 55 mg/mL (240.92 mM),Sonication is recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 4.3804 mL | 21.902 mL | 43.8039 mL |
| 5 mM  | 0.8761 mL | 4.3804 mL | 8.7608 mL  |
| 10 mM | 0.438 mL  | 2.1902 mL | 4.3804 mL  |
| 50 mM | 0.0876 mL | 0.438 mL  | 0.8761 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

Linciano P, et al. Enhancement of Benzothiazoles as Pteridine Reductase-1 Inhibitors for the Treatment of Trypanosomatidic Infections. J Med Chem. 2019 Apr 25;62(8):3989-4012.

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