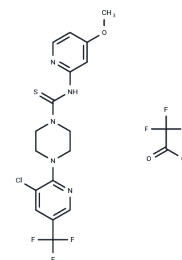


ML267

Chemical Properties

CAS No. : 1542213-67-1
 Formula: C₁₉H₁₈ClF₆N₅O₃S
 Molecular Weight: 545.89
 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 | ML267 (4-(3-chloro-5-(trifluoromethyl)pyridin-2-yl)-N-(4-methoxypyridin-2-yl)piperazine-1-carbothioamide trifluoroacetate) is a potent inhibitor of bacterial phosphopantetheinyl transferase that attenuates secondary metabolism and thwarts bacterial growth[1]. |
| Targets(IC50) | Others,Antibacterial |

Solubility Information

| | |
|------------|--|
| Solubility | DMSO: 60 mg/mL (109.91 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|-----------|------------|
| 1 mM | 1.8319 mL | 9.1594 mL | 18.3187 mL |
| 5 mM | 0.3664 mL | 1.8319 mL | 3.6637 mL |
| 10 mM | 0.1832 mL | 0.9159 mL | 1.8319 mL |
| 50 mM | 0.0366 mL | 0.1832 mL | 0.3664 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

Foley TL, et al. 4-(3-Chloro-5-(trifluoromethyl)pyridin-2-yl)-N-(4-methoxypyridin-2-yl)piperazine-1-carbothioamide (ML267), a potent inhibitor of bacterial phosphopantetheinyl transferase that attenuates secondary metabolism and thwarts bacterial growth. *J Med Chem.* 2014 Feb 13;57(3):1063-78.

Foley TL, et al. Discovery of ML 267 as a Novel Inhibitor of Pathogenic Sfp phosphopantetheinyl transferase (PPTase). 2012 Mar 21 [updated 2013 Sep 3]. In: Probe Reports from the NIH Molecular Libraries Program [Internet]. Bethesda (MD): National Center for Biotechnology Information (US); 2010-.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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