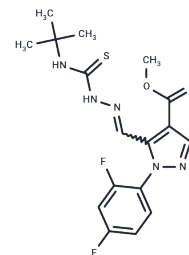


CID 2745687

Chemical Properties

CAS No. : 264233-05-8
 Formula: C17H19F2N5O2S
 Molecular Weight: 395.43
 Storage: Store at low temperature
 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 | CID 2745687 is a moderately potent, concentration-dependent antagonist at human GPR35 with pIC50 = 6.70. CID 2745687 cannot effectively antagonize the agonist effects of either Zaprinst or Cromolyn disodium at rodent ortholog of GPR35 in vitro[1]. However, CID 2745687 can reverse lodoxamide-mediated anti-fibrotic effects in mice in vivo[2]. |
| Targets(IC50) | GPCR |

Solubility Information

| | |
|------------|--|
| Solubility | DMSO: 150 mg/mL (379.33 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.5289 mL | 12.6445 mL | 25.2889 mL |
| 5 mM | 0.5058 mL | 2.5289 mL | 5.0578 mL |
| 10 mM | 0.2529 mL | 1.2644 mL | 2.5289 mL |
| 50 mM | 0.0506 mL | 0.2529 mL | 0.5058 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

Jenkins L , Harries N , Lappin J E , et al. Antagonists of GPR35 display high species ortholog selectivity and varying modes of action[J]. Journal of Pharmacology & Experimental Therapeutics, 2012, 343(3):683-695.

Kim MJ, et al. Lodoxamide Attenuates Hepatic Fibrosis in Mice: Involvement of GPR35. Biomol Ther (Seoul). 2020 Jan 1;28(1):92-97.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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