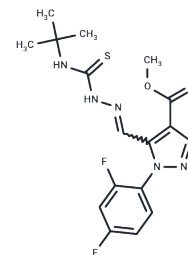


CID 2745687

## 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)
In vivo Formulation	10% DMSO+90% Saline: < 10 mg/mL (25.29 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+90% Corn oil: < 10 mg/mL (25.29 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: < 10 mg/mL (25.29 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+90% (20% SBE-β-CD in Saline): < 10 mg/mL (25.29 mM),Lower concentrations may be soluble, but exact solubility limit is unknown. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

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	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

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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.

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