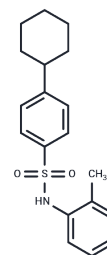


LP-471756

Chemical Properties

CAS No. : 413605-11-5
 Formula: C₁₉H₂₃NO₂S
 Molecular Weight: 329.46
 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	LP-471756 is a specific antagonist of GPR139 and inhibits LP-360924-stimulated cAMP production (IC ₅₀ = 640 nM).
Targets(IC ₅₀)	GPCR

Solubility Information

Solubility	DMSO: 225 mg/mL (682.94 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0353 mL	15.1763 mL	30.3527 mL
5 mM	0.6071 mL	3.0353 mL	6.0705 mL
10 mM	0.3035 mL	1.5176 mL	3.0353 mL
50 mM	0.0607 mL	0.3035 mL	0.6071 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

- Vedel L, et al. Pharmacology and function of the orphan GPR139 G protein-coupled receptor. Basic Clin Pharmacol Toxicol. 2020 Jun;126 Suppl 6(Suppl 6):35-46.
 Hu LA, et al. Identification of surrogate agonists and antagonists for orphan G-protein-coupled receptor GPR139. J Biomol Screen. 2009 Aug;14(7):789-97.

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