

MKP10241

Chemical Properties

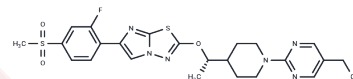
CAS No. : 2137977-29-6

Formula: C₂₄H₂₇FN₆O₃S₂

Molecular Weight: 530.64

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	MKP10241 is an orally bioavailable GPR119 agonist that increases cAMP levels in GPR119-expressing cell lines with an EC ₅₀ of 3.7 nM. It significantly reduces blood glucose and glycated hemoglobin (HbA1c) levels in acute and chronic diabetic mouse models. It also exhibits favorable pharmacological activities in acute and chronic obesity models and MASH rodent models.
Targets(IC50)	GPCR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8845 mL	9.4226 mL	18.8452 mL
5 mM	0.3769 mL	1.8845 mL	3.769 mL
10 mM	0.1885 mL	0.9423 mL	1.8845 mL
50 mM	0.0377 mL	0.1885 mL	0.3769 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

Rai SK, et al. Discovery of MKP10241, a Novel Small Molecule Targeting the GPR119/Incretin Axis to Treat Metabolic Disorders. J Med Chem. 2025 Oct 7.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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