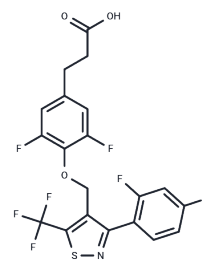


GPR120 Agonist 1

Chemical Properties

CAS No. :	1628448-77-0
Formula:	C ₂₀ H ₁₂ ClF ₆ NO ₃ S
Molecular Weight:	495.82
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	GPR120 Agonist 1 is a selective GPR120 agonist. In GPR120 transfected HEK293 cells, GPR120 Agonist 1 displays good EC ₅₀ of 42 nM and 77 nM for human and mouse GPR120 (the calcium flux assay), respectively.
Targets(IC ₅₀)	GPCR
In vitro	In GPR120 transfected HEK293 cells, GPR120 Agonist 1 displays good EC ₅₀ of 42 nM and 77 nM for human GPR120 and mouse GPR120 (the calcium flux assay), respectively. GPR120 Agonist 1 is a potent and selective GPR120 agonist.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0169 mL	10.0843 mL	20.1686 mL
5 mM	0.4034 mL	2.0169 mL	4.0337 mL
10 mM	0.2017 mL	1.0084 mL	2.0169 mL
50 mM	0.0403 mL	0.2017 mL	0.4034 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

Zhang X, et al. Discovery of an Isothiazole-Based Phenylpropanoic Acid GPR120 Agonist as a Development Candidate for Type 2 Diabetes. ACS Med Chem Lett. 2017 Jul 27;8(9):947-952.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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