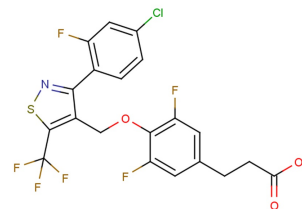


GPR120 Agonist 1

Chemical Properties

CAS No.:	1628448-77-0
Formula:	C ₂₀ H ₁₂ ClF ₆ NO ₃ S
Molecular Weight:	495.82
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



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)	GPR120: None
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.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.017 mL	10.084 mL	20.169 mL
5 mM	0.403 mL	2.017 mL	4.034 mL
10 mM	0.202 mL	1.008 mL	2.017 mL
50 mM	0.04 mL	0.202 mL	0.403 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

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Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481