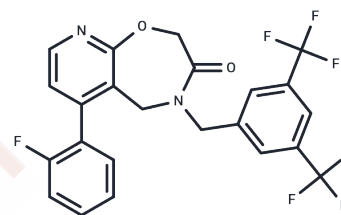


GPBAR-A

Chemical Properties

CAS No. :	877052-79-4
Formula:	C ₂₃ H ₁₅ F ₇ N ₂ O ₂
Molecular Weight:	484.37
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	GPBAR-A is a synthetic small-molecule agonist of GPBAR1, also known as TGR5, that activates this G protein-coupled bile acid receptor involved in energy homeostasis, glucose metabolism, and immune regulation, GPBAR-A is extensively studied for its therapeutic potential in metabolic disorders such as type 2 diabetes, obesity, and inflammation-related diseases.
Targets(IC50)	GPCR19
In vitro	In functional studies utilizing GLUTag cells and primary murine L-cells, GPBAR-A was applied at a concentration of 3 μM to isolate TGR5-mediated effects[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0645 mL	10.3227 mL	20.6454 mL
5 mM	0.4129 mL	2.0645 mL	4.1291 mL
10 mM	0.2065 mL	1.0323 mL	2.0645 mL
50 mM	0.0413 mL	0.2065 mL	0.4129 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

Parker HE, et al. Molecular mechanisms underlying bile acid-stimulated glucagon-like peptide-1 secretion. Br J Pharmacol. 2012 Jan;165(2):414-23.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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