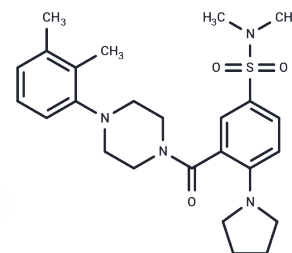


ML-184

Chemical Properties

CAS No. : 794572-10-4
 Formula: C₂₅H₃₄N₄O₃S
 Molecular Weight: 470.63
 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	ML-184 (CID2440433) is a potent synthetic agonist of GPR55 with an EC ₅₀ of 0.26 μM.
Targets(IC ₅₀)	Cannabinoid Receptor

Solubility Information

Solubility	DMSO: 10 mg/mL (21.25 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	2.1248 mL	10.6241 mL	21.2481 mL
5 mM	0.425 mL	2.1248 mL	4.2496 mL
10 mM	0.2125 mL	1.0624 mL	2.1248 mL
50 mM	0.0425 mL	0.2125 mL	0.425 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

- Celorio M , Rojo-Bustamante, Estefanía, Fernández-Suárez, Diana, et al. GPR55: A therapeutic target for Parkinson's disease? [J]. Neuropharmacology, 2017, 125:319-332.
- Kotsikorou E , Sharir H , Shore D M , et al. Identification of the GPR55 agonist binding site using a novel set of high-potency GPR55 selective ligands. [J]. Biochemistry, 2013, 52(52):9456-9469.

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