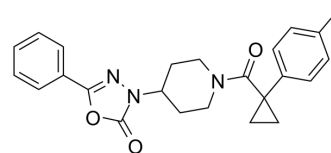


ML191

Cat. No.:	HY-111083		
CAS No.:	931695-79-3		
Molecular Formula:	C ₂₄ H ₂₅ N ₃ O ₃		
Molecular Weight:	403.47		
Target:	GPR55		
Pathway:	GPCR/G Protein; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (309.81 mM; ultrasonic and warming and heat to 60°C)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.4785 mL	12.3925 mL	24.7850 mL
	5 mM		0.4957 mL	2.4785 mL	4.9570 mL
	10 mM		0.2478 mL	1.2392 mL	2.4785 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

ML-191 is an antagonist of GPR55. It inhibits GPR55 signaling induced by lysophosphatidylinositol (EC₅₀=1.076 μM in U2OS cells overexpressing GPR55). ML-191 inhibits LPI-induced phosphorylation of ERK1/2 (IC₅₀=328 nM) and receptor-dependent translocation of PKCβII when used at a concentration of 30 μM^[1].

REFERENCES

[1]. Heynen-Genel S, et al. Screening for Selective Ligands for GPR55 - Antagonists. 2010 Oct 30

Caution: Product has not been fully validated for medical applications. For research use only.

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