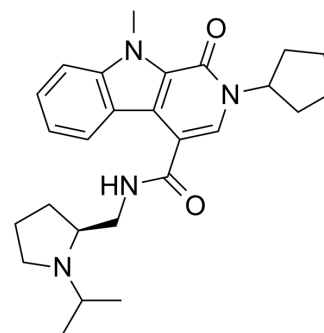


VU0453379

Cat. No.:	HY-116819
CAS No.:	1638646-27-1
Molecular Formula:	C ₂₆ H ₃₄ N ₄ O ₂
Molecular Weight:	434.57
Target:	GCGR
Pathway:	GPCR/G Protein
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (230.11 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	2.3011 mL	11.5056 mL	23.0113 mL
		5 mM	0.4602 mL	2.3011 mL	4.6023 mL
	10 mM	0.2301 mL	1.1506 mL	2.3011 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (5.75 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	VU0453379 is a highly selective and central nervous system (CNS) penetrant positive allosteric modulator (PAM) of glucagon-like peptide-1R (GLP-1R) with an EC ₅₀ of 1.3 μM ^[1] .
IC ₅₀ & Target	EC ₅₀ : 1.3 μM (GLP-1R) ^[1]

REFERENCES

[1]. Morris LC, et al. Discovery of (S)-2-cyclopentyl-N-((1-isopropylpyrrolidin-2-yl)-9-methyl-1-oxo-2,9-dihydro-1H-pyrido[3,4-b]indole-4-carboxamide (VU0453379): a novel, CNS penetrant glucagon-like peptide 1 receptor (GLP-1R) positive allosteric modulator (P

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

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