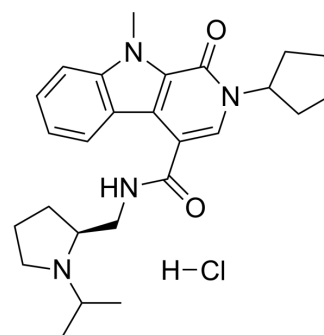


## VU0453379 hydrochloride

Cat. No.:	HY-116819A
Molecular Formula:	C <sub>26</sub> H <sub>35</sub> ClN <sub>4</sub> O <sub>2</sub>
Molecular Weight:	471.03
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 (212.30 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.1230 mL	10.6150 mL	21.2301 mL
				5 mM	0.4246 mL	2.1230 mL	4.2460 mL
				10 mM	0.2123 mL	1.0615 mL	2.1230 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 (5.31 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.31 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.31 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	VU0453379 hydrochloride is a highly selective and central nervous system (CNS) penetrant positive allosteric modulator (PAM) of glucagon-like peptide-1R (GLP-1R) with an EC <sub>50</sub> of 1.3 μM <sup>[1]</sup> .
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### 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 (PAM). J Med Chem. 2014 Dec 11;57(23):10192-7.

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

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