

# TM-N1324

Catalog No: tcsc0030122



## Available Sizes

**Size:** 1mg

**Size:** 5mg

**Size:** 10mg

**Size:** 50mg

**Size:** 100mg



## Specifications

**CAS No:**

1144477-35-9

**Formula:**

$C_{18}H_{13}ClFN_7O$

**Pathway:**

GPCR/G Protein

**Target:**

GHSR

**Purity / Grade:**

>98%

**Solubility:**

DMSO : 6 mg/mL (15.08 mM; Need ultrasonic and warming)

**Observed Molecular Weight:**

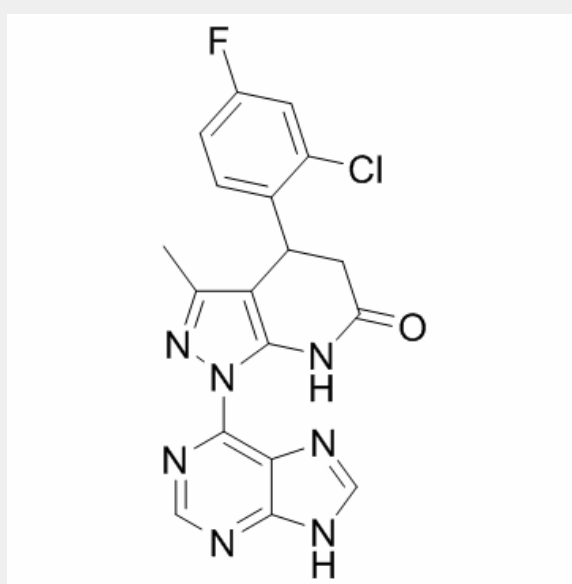
397.79

## Product Description

TM-N1324 is an agonist of G-Protein-Coupled Receptor 39 (**GPR39**) with **EC<sub>50</sub>**s of 9 nM/5 nM in the presence of Zn<sup>2+</sup>, and 280 nM/180 nM in the absence of Zn<sup>2+</sup> for **human/murine GPR39**.

IC50 & Target: EC50: 280 nM (human GPR39 without Zn<sup>2+</sup>), 9 nM (human GPR39 with Zn<sup>2+</sup>), 180 nM (murine GPR39 without Zn<sup>2+</sup>), 5 nM (murine GPR39 with Zn<sup>2+</sup>)<sup>[1]</sup>

**In Vitro:** TM-N1324 activates human GPR39 with high efficacy and potencies of 280 nM and 9 nM in the absence and presence of Zn<sup>2+</sup>, respectively. TM-N1324 has similar potencies on murine GPR39, 180 nM and 5 nM. TM-N1324 is also found to have promising *in vitro* ADME properties. TM-N1324 has reasonably good aqueous solubility (65 µM at pH 7.0). Measurements of somatostatin confirms that the GPR39 agonist TM-N1324 increases somatostatin release by 53%<sup>[1]</sup>.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!