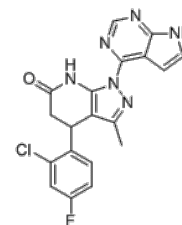


Product Name : TM-N1324
Cat. No. : PC-38251
CAS No. : 1144477-35-9
Molecular Formula : C₁₈H₁₃ClFN₇O
Molecular Weight : 397.798
Target : GPR39
Solubility : 10 mM in DMSO



Biological Activity

GPR39 agonist Cpd1324 (TM-N1324) is a potent, selective, orally active **GPR39** agonist, activates human GPR39 with high efficacy and potencies of 280 nM and 9 nM in the absence and presence of Zn²⁺, respectively.

GPR39 agonist Cpd1324 (TM-N1324) shows clean off-target activities using a panel of 165 GPCRs, i.e., the Millipore GPCR-profiler service, and has similar potencies on murine GPR39 (180 nM and 5 nM, in the absence and presence of Zn²⁺).

GPR39 agonist Cpd1324 increased GLP-1 secretion in the mice as well as in mouse and human intestinal organoids, but not in GPR39 KO mouse organoids.

References

Grunddal KV, et al. Mol Metab. 2021 Jul;49:101207.

Thomas M Frimurer, et al. J Med Chem. 2017 Feb 9;60(3):886-898.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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