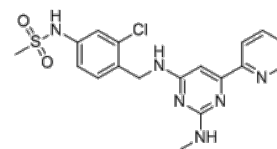


Product Name : TC G-1008
Cat. No. : PC-60593
CAS No. : 1621175-65-2
Molecular Formula : C₁₈H₁₉ClN₆O₂S
Molecular Weight : 418.9
Target : GPR39
Solubility : 100 mM in DMSO



Biological Activity

TC G-1008 is a potent, selective, orally bioavailable **GPR39 agonist** with EC₅₀ of 0.4 and 0.8 nM for rat and human GPR39, respectively.

TC G-1008 displays high selectivity over a broad panel of kinases (IC₅₀> 10 μM), and ghrelin and neurotensin-1 receptors (IC₅₀>30 μM).

TC G-1008 robustly induces acute GLP-1 levels and shows the potential oral treatment of type 2 diabetes.

References

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Sato S, et al. *Mol Pharmacol.* 2016 Dec;90(6):726-737.
Shimizu Y, et al. *Biochem Pharmacol.* 2017 Sep 15;140:105-114.
Peukert S, et al. *ACS Med Chem Lett.* 2014 Aug 4;5(10):1114-8.

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

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