LKT Laboratories, Inc.

TGR5 Receptor Agonist

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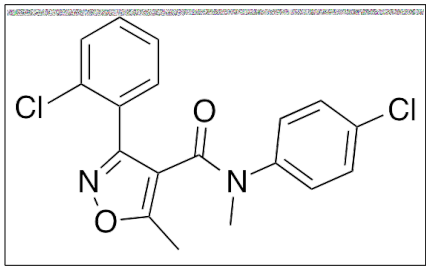
Product Information

Product ID T2668
CAS No. 1197300-24-5
Chemical Name

Synonym TGR5

Formula $C_{18}H_{14}Cl_2N_2O_2$
Formula Wt. 361.22
Melting Point
Purity ≥99%
Solubility Soluble in ethanol to 100 mM and in DMSO to 100 mM



Bulk quanitites available upon request

Product ID	Size
T2668	1 mg
T2668	5 mg
T2668	25 mg

Store Temp -20°C
Ship Temp Ambient
Description TGR5 Receptor agonist activates TGR5, a G-protein coupled receptor that increases secretion of GLP-1 from intestinal cells. This compound may amplify nutrient sensing signals and bicarbonate secretion and decrease glucose levels.

References

Duan H, Ning M, Chen X, et al. Design, synthesis, and antidiabetic activity of 4-phenoxynicotinamide and 4-phenoxypyrimidine -5-carboxamide derivatives as potent and orally efficacious TGR5 agonists. J Med Chem. 2012 Dec 13;55(23):10475-89. PMID: 23148522.

Inoue T, Wang JH, Higashiyama M, et al. Dipeptidyl peptidase IV inhibition potentiates amino acid- and bile acid-induced bicarbonate secretion in rat duodenum. Am J Physiol Gastrointest Liver Physiol. 2012 Oct;303(7):G810-6. PMID: 22821947.

Evans KA, Budzik BW, Ross SA, et al. Discovery of 3-aryl-4-isoxazolecarboxamides as TGR5 receptor agonists. J Med Chem. 2009 Dec 24;52(24):7962-5. PMID: 19902954.