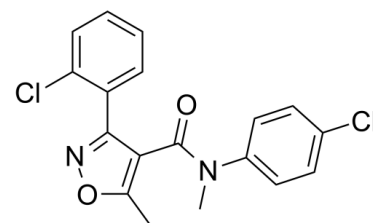


Data Sheet

Product Name:	TGR5 Receptor Agonist
Cat. No.:	CS-2030
CAS No.:	1197300-24-5
Molecular Formula:	C ₁₈ H ₁₄ Cl ₂ N ₂ O ₂
Molecular Weight:	361.22
Target:	GPCR19
Pathway:	GPCR/G Protein
Solubility:	DMSO : ≥ 48 mg/mL (132.88 mM)



BIOLOGICAL ACTIVITY:

TGR5 Receptor Agonist (CCDC), a potent **TGR5(GPCR19)** agonist, shows improved potency in the U2-OS cell assay (pEC₅₀=6.8) and in melanophore cells (pEC₅₀=7.5)^[1]. IC₅₀ & Target: IC₅₀ value: 6.8 (pEC₅₀, U2-OS cell assay); 7.5 (pEC₅₀, melanophore cell)^[1]

References:

[1]. Evans KA, et al. Discovery of 3-aryl-4-isoxazolecarboxamides as TGR5 receptor agonists. J Med Chem. 2009 Dec 24;52(24):7962-5.

CAIndexNames:

4-Isoxazolecarboxamide, 3-(2-chlorophenyl)-N-(4-chlorophenyl)-N,5-dimethyl-

SMILES:

ClC1=CC=CC=C1C2=NOC(C)=C2C(N(C)C3=CC=C(Cl)C=C3)=O

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

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