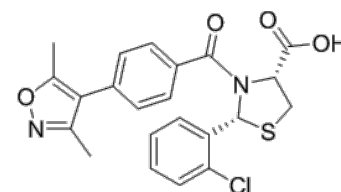


Product Name : TUG-1375
Cat. No. : PC-35695
CAS No. : 2247372-59-2
Molecular Formula : C₂₂H₁₉ClN₂O₄S
Molecular Weight : 442.542
Target : Free Fatty Acid Receptor (FFAR)
Solubility : 10 mM in DMSO



Biological Activity

TUG-1375 (TUG1375, TUG 1375) is a potent, selective free fatty acid receptor 2 (**FFA2**/GPR43) agonist with β -arrestin-2 pEC₅₀ of 6.1 and cAMP pEC₅₀ of 7.11.

TUG-1375 also shows activity on the murine FFA2 orthologue (pEC₅₀=6.44 in the cAMP assay), displays no significant agonist or antagonist response in FFA1 (GPR40) or FFA4 (GPR120), or in nuclear receptors PPAR α , PPAR γ , PPAR δ , LXR α or LXR β .

TUG-1375 induces migration of human neutrophils and inhibits lipolysis in murine adipocytes.

References

Hansen AH, et al. *J Med Chem*. 2018 Sep 24. doi: 10.1021/acs.jmedchem.8b00855.

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

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