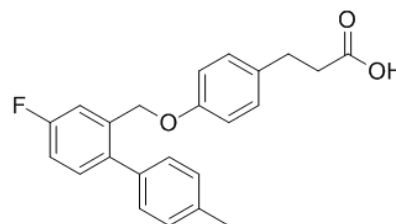


Product Name : TUG-891
Cat. No. : PC-42283
CAS No. : 1374516-07-0
Molecular Formula : C₂₃H₂₁FO₃
Molecular Weight : 364.4094432
Target : Free Fatty Acid Receptor (FFAR)
Solubility : 10 mM in DMSO



Biological Activity

TUG-891 is a potent, selective human **GPR120 (FFA4)** agonist with pEC₅₀ of 7.22.

TUG-891 displays 288-fold more potent than hFFA1.

TUG-891 stimulates GLP-1 secretion from enteroendocrine cells, enhances glucose uptake in 3T3-L1 adipocytes, and inhibits release of proinflammatory mediators from RAW264.7 macrophages.

TUG-891 inhibits LPA- and EGF-induced proliferation and migration in DU145 and PC-3 cells.

References

Shimpukade B, et al. *J Med Chem.* 2012 May 10;55(9):4511-5.

Hudson BD, et al. *Mol Pharmacol.* 2013 Nov;84(5):710-25.

Liu Z, et al. *J Pharmacol Exp Ther.* 2015 Feb;352(2):380-94.

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

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