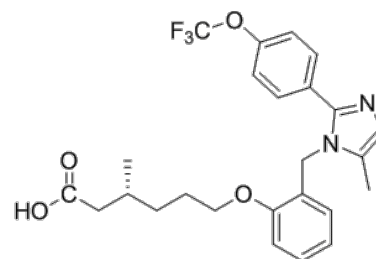


Product Name : MA-0204
Cat. No. : PC-35702
CAS No. : 2095128-17-7
Molecular Formula : C₂₅H₂₇F₃N₂O₄
Molecular Weight : 476.496
Target : PPAR
Solubility : 10 mM in DMSO



Biological Activity

MA-0204 (MA0204) is a potent, selective **PPAR δ** modulator with EC₅₀ of 0.4 nM (human PPAR δ), displays no activity (10,000-fold selectivity) against PPAR α and PPAR γ .

MA-0204 exhibits potency for mouse PPAR δ and rat PPAR δ with EC₅₀ of 7.9 nM and 10 nM, respectively.

MA-0204 also displays high selectivity (EC₅₀ >10 μ M) over other nuclear receptors, eg, androgen, progesterone and glucocorticoid receptors.

MA-0204 increases PPAR δ target genes ANGPTL4 (angiopoietin like protein 4), CPT1a (carnitine palmytoyltransferase 1a) and PDK4, and improves fatty acid oxidation in vivo in mice and in vitro in patient-derived muscle myoblasts.

References

Lagu B, et al. *ACS Med Chem Lett*. 2018 Jul 31;9(9):935-940.

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

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