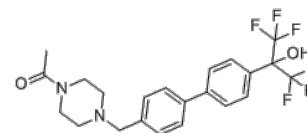


Product Name : SR1555
Cat. No. : PC-35084
CAS No. : 1386439-51-5
Molecular Formula : C₂₂H₂₂F₆N₂O₂
Molecular Weight : 460.42
Target : ROR
Solubility : 10 mM in DMSO



Biological Activity

SR1555 is a selective **ROR γ** inverse agonist (IC₅₀=1.5 μ M) that suppresses T(H)17 cells and stimulates T regulatory cells. SR1555 is devoid of LXR, FXR, and ROR α activity, displaces [³H]T0901317 from the ligand binding domain (LBD) of ROR γ with IC₅₀ of 1 μ M.

SR1555 represses the expression of ROR γ while leading to increased expression of FGF21 and adipoQ in pre-adipocytes. SR1555 inhibits activation of hormone-sensitive lipase and increased fatty acid oxidation in obese diabetic mice.

References

Chang MR, et al. *Mol Pharmacol*. 2015 Jul;88(1):48-56.

Solt LA, et al. *ACS Chem Biol*. 2012 Sep 21;7(9):1515-9.

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

E-mail: tech@probechem.com