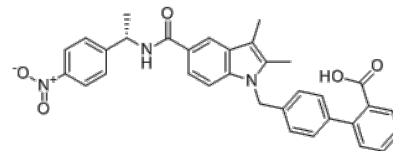


Product Name : SR1664
Cat. No. : PC-60333
CAS No. : 1338259-05-4
Molecular Formula : C₃₃H₂₉N₃O₅
Molecular Weight : 547.6
Target : PPAR
Solubility : 100 mM in DMSO



Biological Activity

SR1664 (SR-1664) is a potent, non-agonist **PPAR γ** ligand that blocks the Cdk5-mediated phosphorylation in vitro (IC₅₀=80 nM) and in vivo, without the classical agonism.

SR1664 exhibits potent anti-diabetic activity while not causing the fluid retention and weight gain that are serious side effects of many of the PPAR γ drugs.

SR1664 effectively improves glucose homeostasis, and does not affect bone cell mineralization in culture.

References

Choi JH, et al. *Nature*. 2011 Sep 4;477(7365):477-81.

Choi SS, et al. *J Biol Chem*. 2014 Sep 19;289(38):26618-29.

Marciano DP, et al. *Nat Commun*. 2015 Jun 12;6:7443.

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

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