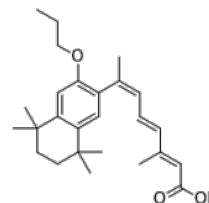


Product Name : LG100754
Cat. No. : PC-23686
CAS No. : 180713-37-5
Molecular Formula : C₂₆H₃₆O₃
Molecular Weight : 396.57
Target : RAR/RXR
Solubility : 10 mM in DMSO



Biological Activity

LG100754 (UVI 2112) is a specific antagonist of RXR homodimer, also functions as a RXR:PPAR α and RXR:PPAR γ agonist. LG100754 does not activate other heterodimers like RXR:liver X receptor α , RXR:liver X receptor β , RXR:bile acid receptor/farnesoid X receptor and RXR:nerve growth factor induced gene B.

LG100754 triggers cellular RXR:PPAR γ -dependent pathways including adipocyte differentiation and inhibition of TNF α -mediated hypophosphorylation of the insulin receptor, but does not activate key farnesoid X receptor and liver X receptor target genes.

LG100754 treatment of db/db animals leads to an improvement in insulin resistance in vivo.

LG100754 sensitizes the potency of proliferator-activated receptor (PPAR) γ -retinoid X receptor heterodimers for PPAR γ ligands.

References

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

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