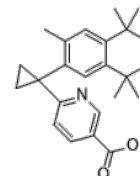


Product Name : LG100268
Cat. No. : PC-23687
CAS No. : 153559-76-3
Molecular Formula : C₂₄H₂₉NO₂
Molecular Weight : 363.50
Target : RAR/RXR
Solubility : 10 mM in DMSO



Biological Activity

LG100268 (LG268) is a potent, selective, orally active retinoid X receptor (RXR) agonist with EC₅₀ of 4 nM, 3 nM, and 4 nM for RXR α , RXR β , and RXR γ , respectively.

LG100268 displays >1000-fold selectivity for RXR over RAR, and has K_i values are 3.4 nM, 6.2 nM and 9.2 nM for RXR α , RXR β , and RXR γ , respectively.

LG100268 activates RXR homodimers to induce transcriptional activation.

LG100268 shows anti-obesity effects and improve insulin sensitivity in Zucker fa/fa rats.

References

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Boehm MF, et al. J Med Chem. 1995 Aug 4;38(16):3146-55.

Allegretto EA, et al. J Biol Chem. 1995 Oct 13;270(41):23906-9.

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

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