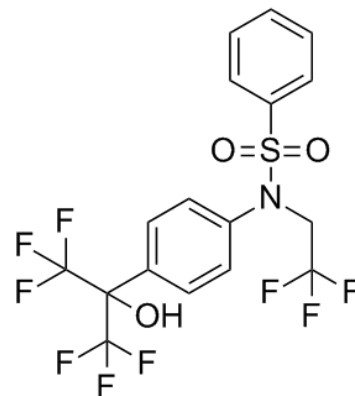


Product Name : T0901317
Cat. No. : PC-42684
CAS No. : 293754-55-9
Molecular Formula : C₁₇H₁₂F₉NO₃S
Molecular Weight : 481.3327
Target : Liver X Receptor (LXR)
Solubility : DMSO: ≥ 27 mg/mL



Biological Activity

T0901317 (T0901317) is a potent, high affinity **LXR** agonist (EC₅₀=50 nM, K_d are 7 and 22 nM for LXR-α and LXR-β respectively).

T0901317 (T0901317) upregulates expression of the ABCA1 gene associated with cholesterol efflux regulation and HDL metabolism.

T0901317 (T0901317) decreases amyloid-β production in primary neurons in vitro.

T0901317 (T0901317) displays an EC₅₀ of ~ 5 μM for activation of FXRs.

T0901317 (T0901317) also is an inverse agonist of human **constitutive androstane receptor (hCAR)**, blocks the interaction of hCAR with steroid receptor co-activator 1 (SRC1).

References

Repa JJ, et al. *Science*. 2000 Sep 1;289(5484):1524-9.

Koldamova RP, et al. *J Biol Chem*. 2005 Feb 11;280(6):4079-88.

Kanno Y, et al. *J Toxicol Sci*. 2013;38(3):309-15.

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

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