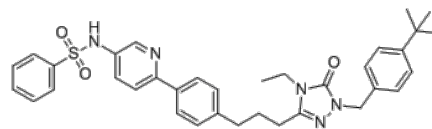


Product Name : NXT629
Cat. No. : PC-72656
CAS No. : 1454925-59-7
Molecular Formula : C₃₅H₃₉N₅O₃S
Molecular Weight : 609.789
Target : PPAR
Solubility : 100 mM in DMSO (60.9 mg/mL)



Biological Activity

NXT629 (NXT-629) is a potent, selective **PPAR α** antagonist with IC₅₀ of 77 nM (human PPAR α), no effect against PPAR δ and PPAR γ (IC₅₀>30 μ M).

NXT629 inhibited agonist-induced transcription of PPAR α -regulated genes, demonstrating target engagement in chronic lymphocytic leukemia (CLL) cells.

NXT629 induced apoptosis of CLL cells even in the presence of a protective microenvironment.

NXT629 reduces the number of chronic leukemia cells undergoing cell division with IC₅₀ of 9.6 μ M.

NXT629 reduces CLL tumor burden delays disease progression of CLL in CLL mouse model.

References

Messmer D, et al. *Mol Med*. 2015 Jun 9;21(1):410-9.

Stebbins KJ, et al. *Eur J Pharmacol*. 2017 Aug 15;809:130-140.

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

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