

Data Sheet

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Global Supplier of Chemical Probes, Inhibitors & Agonists.

 Product Name
 : NXT629

 Cat. No.
 : PC-72656

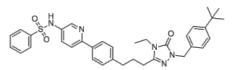
 CAS No.
 : 1454925-59-7

 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\alpha** antagonist with IC50 of 77 nM (human PPAR α), no effect against PPAR α and PPAR α (IC50>30 uM).

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 uM.

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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