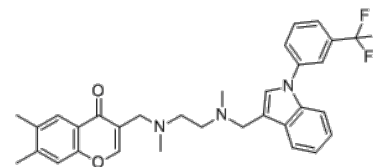


Product Name : SPD-304
Cat. No. : PC-61313
CAS No. : 869998-49-2
Molecular Formula : C₃₂H₃₂F₃N₃O₂
Molecular Weight : 547.622
Target : TNF-alpha
Solubility : 10 mM in DMSO



2. Chang YJ, et al. **PLoS One**. 2015 Mar 27;10(3):e0120713.
 3. Blevitt JM, et al. **J Med Chem**. 2017 Apr 27;60(8):3511.

Biological Activity

SPD-304 (TNFα inhibitor X) is an inhibitor of tumor necrosis factor α (**TNFα**) that prevents binding to the TNF Receptor 1 (TNFR1) with IC₅₀ of 22 uM.

SPD-304 (TNFα inhibitor X) binds to the biologically active TNFα trimer and promotes accelerated displacement of a single subunit to rapidly inactivate the cytokine.

SPD-304 (TNFα inhibitor X) inhibits TNFα-mediated stimulation of IKB degradation with an IC₅₀ of 4.6 uM in a cell based assay.

References

He MM, et al. **Science**. 2005 Nov 11;310(5750):1022-5.

