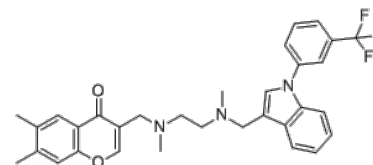


**Product Name** : SPD-304  
**Cat. No.** : PC-61313  
**CAS No.** : 869998-49-2  
**Molecular Formula** : C<sub>32</sub>H<sub>32</sub>F<sub>3</sub>N<sub>3</sub>O<sub>2</sub>  
**Molecular Weight** : 547.622  
**Target** : TNF-alpha  
**Solubility** :



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 is an inhibitor of tumor necrosis factor  $\alpha$  (**TNF $\alpha$** ) that prevents binding to the TNF Receptor 1 (TNFR1) with IC<sub>50</sub> of 22  $\mu$ M; binds to the biologically active TNF $\alpha$  trimer and promotes accelerated displacement of a single subunit to rapidly inactivate the cytokine; inhibits TNF $\alpha$ -mediated stimulation of I $\kappa$ B degradation with an IC<sub>50</sub> of 4.6  $\mu$ M in a cell based assay.

## References

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

