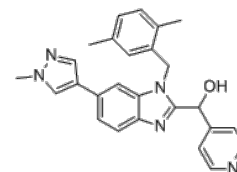


**Product Name** : UCB-9260  
**Cat. No.** : PC-73214  
**CAS No.** : 1515888-53-5  
**Molecular Formula** : C<sub>26</sub>H<sub>25</sub>N<sub>5</sub>O  
**Molecular Weight** : 423.51  
**Target** : TNF Receptor  
**Solubility** : 10 mM in DMSO



### Biological Activity

UCB-9260 is a specific, orally active compound, inhibits tumour necrosis factor (**TNF**) signaling by stabilising an asymmetric form of the trimer, binds to **TNF** with K<sub>d</sub> of 13 nM.

UCB-9260 is selective for TNF over other superfamily members.

UCB-9260 inhibited TNF-dependent cytotoxicity with a geometric mean IC<sub>50</sub> of 116 nM, and a geometric mean IC<sub>50</sub> of 120 nM, using human and mouse TNF, respectively.

UCB-9260 inhibited NF-κB with a geometric mean IC<sub>50</sub> of 202 nM after TNF stimulation in HEK 293 cell-line.

UCB-9260 inhibited TNF-driven functional effects in vivo, showed a significant reduction of the clinical score in LPS challenged collagen antibody induced arthritis (CAIA) model.

### References

Daniel J Lightwood, et al. *Nat Commun*. 2021 Jan 25;12(1):583.

James O'Connell, et al. *Nat Commun*. 2019 Dec 19;10(1):5795.

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

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