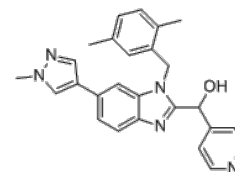


Product Name : UCB-9260
Cat. No. : PC-73214
CAS No. : 1515888-53-5
Molecular Formula : C₂₆H₂₅N₅O
Molecular Weight : 423.51
Target : TNF Receptor
Solubility : 10 mM in DMSO



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_d of 13 nM.

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

UCB-9260 inhibited TNF-dependent cytotoxicity with a geometric mean IC₅₀ of 116 nM, and a geometric mean IC₅₀ of 120 nM, using human and mouse TNF, respectively.

UCB-9260 inhibited NF-κB with a geometric mean IC₅₀ 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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