

Product Data Sheet

Product Name: UCB-9260

Cat. No.: GC62346

Chemical Properties

Cas. No. 1515888-53-5

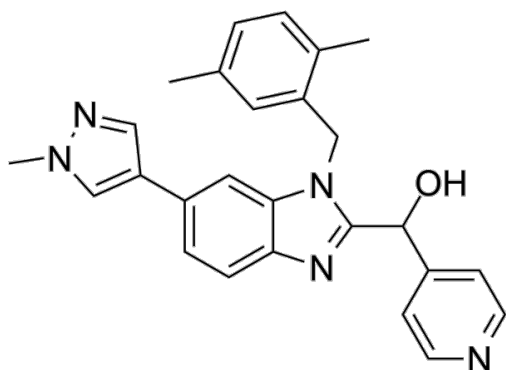
Formula $C_{26}H_{25}N_5O$ M.Wt 423.51

Solubility DMSO : 125 mg/mL (295.15 mM; Need ultrasonic) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

Caution: Product has not been fully validated for medical applications. For research use only.

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UCB-9260, an orally active compound, inhibits TNF signaling by stabilising an asymmetric form of the trimer. UCB-9260 is selective for TNF over other superfamily members, and binds TNF with a similar K_d of 13 nM[1].

UCB-9260 (0-10 μ M) inhibits NF- κ B with a geometric mean IC_{50} of 202 nM after TNF (10 pM) stimulation in Hek-293 cells[1]. UCB-9260 inhibits TNF-dependent cytotoxicity with a geometric mean IC_{50} of 116 nM and a geometric mean IC_{50} of 120 nM, using human and mouse TNF, respectively[1].

UCB-9260 (150 mg/kg; p.o.; twice daily for 7 days) shows a significant reduction of the clinical score[1]. UCB-9260 (10-300 mg/kg; p.o.) dose-dependently inhibits human and mouse TNF-induced neutrophil recruitment to the peritoneal compartment in adult male Balb/c mice[1].

[1]. O'Connell J, et al. Small molecules that inhibit TNF signalling by stabilising an asymmetric form of the trimer. Nat Commun. 2019 Dec 19;10(1):5795.

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