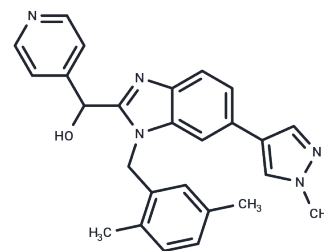


UCB-9260

Chemical Properties

CAS No. : 1515888-53-5
 Formula: C₂₆H₂₅N₅O
 Molecular Weight: 423.51
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	UCB-9260 inhibits TNF signaling by stabilizing an asymmetric form of the trimer.
Targets(IC ₅₀)	TNF
In vitro	In Hek-293 cells, UCB-9260 (0-10 μM) inhibits NF-κB with a geometric mean IC ₅₀ of 202 nM after TNF (10 pM) stimulation. 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.
In vivo	UCB-9260 (150 mg/kg; p.o.) treatment twice daily for 7 days shows a significant reduction of the clinical score. In adult male Balb/c mice, UCB-9260 (10-300 mg/kg; p.o.) dose-dependently inhibits human and mouse TNF-induced neutrophil recruitment to the peritoneal compartment.

Solubility Information

Solubility	DMSO: 4.23 mg/mL (10 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3612 mL	11.8061 mL	23.6122 mL
5 mM	0.4722 mL	2.3612 mL	4.7224 mL
10 mM	0.2361 mL	1.1806 mL	2.3612 mL
50 mM	0.0472 mL	0.2361 mL	0.4722 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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