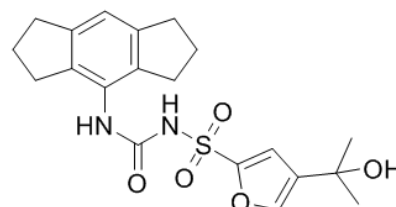


Product Name : MCC950
Cat. No. : PC-43228
CAS No. : 210826-40-7
Molecular Formula : C₂₀H₂₄N₂O₅S
Molecular Weight : 404.4799
Target : NOD-like Receptor (NLR)
Solubility : DMSO: ≥ 28 mg/mL



Biological Activity

MCC950 (CP-456773) is a potent, selective, small-molecule inhibitor of **NLRP3** inflammasome with IC₅₀ of 7.5 and 8.1 nM in BMDM and HMDM, respectively, specifically inhibits activation of NLRP3, does not inhibit NLRC4, AIM2, TLR signalling or priming of NLRP3.

MCC950 blocks NLRP3 induced ASC oligomerization, does not block K⁺ efflux, Ca²⁺ flux or NLRP3-ASC interactions; reduces interleukin-1 β (IL-1 β) production in vivo and attenuates the severity of experimental autoimmune encephalomyelitis (EAE).

MCC950 rescues neonatal lethality in mouse model of CAPS and is active in ex vivo samples from individuals with Muckle-Wells syndrome.

References

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Krishnan SM, et al. *Br J Pharmacol.* 2016 Feb;173(4):752-65.

Baker PJ, et al. *Eur J Immunol.* 2015 Oct;45(10):2918-26.

Primiano MJ, et al. *J Immunol.* 2016 Sep 15;197(6):2421-33.

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

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