



Product Information

Product ID M084081

CAS No. 210826-40-7

Chemical Name 1-(1,2,3,5,6,7-hexahydro-s-indacen-4-yl)-3-[4-(2-hydroxypropan-2-yl) furan-2-yl]sulfonylurea

Synonym MCC-950; CP-456773; CRID3

Formula C₂₀H₂₄N₂O₅S

Formula Wt. 404.5

Melting Point

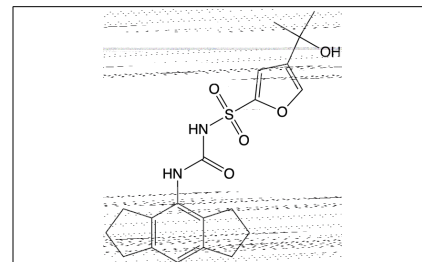
Purity ≥98%

Solubility

Store Temp -20°C

Ship Temp Ambient

Description MCC950 (also known as CP-456773 and CRID3) is a potent and selective small-molecule inhibitor of the NLRP3 (NOD-like receptor family, pyrin domain-containing protein 3) inflammasome. MCC950 blocks NLRP3-driven IL-1β and IL-18 processing by preventing NLRP3 ATPase activity and oligomerization, without affecting NLRP1, NLRP2, AIM2, or NLRC4 inflammasomes. It is extensively used to study the role of the NLRP3 inflammasome in inflammatory diseases, neurodegeneration, and metabolic disorders.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
M084081	5 mg	\$100.00
M084081	25 mg	\$250.00
M084081	100 mg	\$725.00

- References**
1. Coll RC, Robertson AA, Chae JJ, et al. A small-molecule inhibitor of the NLRP3 inflammasome for the treatment of inflammatory diseases. *Nat Med.* 2015;21(3):248-55. PMID: 25686105.
 2. Swanson KV, Deng M, Ting JP. The NLRP3 inflammasome: molecular activation and regulation to therapeutics. *Nat Rev Immunol.* 2019;19(8):477-489. PMID: 31086329.
 3. Tapia-Abellán A, Angosto-Bazarra D, Martínez-Banaclocha H, et al. MCC950 closes the active conformation of NLRP3 to an inactive state. *Nat Chem Biol.* 2019;15(6):560-564. PMID: 31086327.
 4. Dempsey C, Rubio Araiz A, Bryson KJ, et al. Inhibiting the NLRP3 inflammasome with MCC950 promotes non-phlogistic clearance of amyloid-β and cognitive function in APP/PS1 mice. *Brain Behav Immun.* 2017;61:306-316. PMID: 28063947.
 5. He Y, Hara H, Núñez G. Mechanism and Regulation of NLRP3 Inflammasome Activation. *Trends Biochem Sci.* 2016;41(12):1012-1021. PMID: 27669683.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.