



LKT Laboratories, Inc.

MCC950 Sodium

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Product Information

Product ID M084082

CAS No. 256373-96-3

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

Synonym MCC-950 Sodium; CP-456773 sodium; CRID3 Sodium

Formula $C_{20}H_{23}N_2NaO_5S$

Formula Wt. 426.5

Melting Point

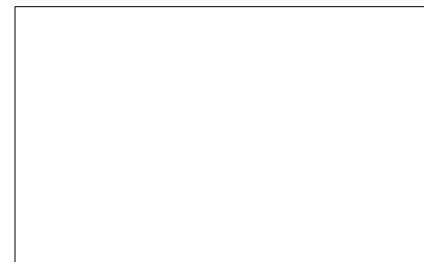
Purity ≥98%

Solubility

Store Temp -20°C

Ship Temp Ambient

Description MCC950 sodium is the sodium salt form of MCC950 (CP-456773), a highly potent and selective inhibitor of the NLRP3 inflammasome. The sodium salt formulation provides improved aqueous solubility for in vitro and in vivo research applications. Like the free acid form, MCC950 sodium blocks NLRP3 ATPase activity to prevent ASC speck formation and caspase-1 activation, suppressing mature IL-1B release without affecting other inflammasome pathways.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
M084082	5 mg	\$115.00
M084082	25 mg	\$295.00
M084082	100 mg	\$850.00

- 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. van der Heijden T, Kritikou E, Venema W, et al. NLRP3 Inflammasome Inhibition by MCC950 Reduces Atherosclerotic Lesion Development in Apolipoprotein E-Deficient Mice—Brief Report. *Arterioscler Thromb Vasc Biol.* 2017;37(8):1457-1461. PMID: 28596367.
 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.