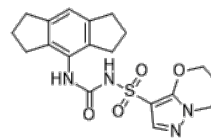


Product Name : JT001
Cat. No. : PC-20912
CAS No. : 2238819-65-1
Molecular Formula : C₁₉H₂₂N₄O₄S
Molecular Weight : 402.47
Target : NOD-like Receptor (NLR)
Solubility : 10 mM in DMSO



Biological Activity

JT001 (JT-001) is a potent, highly specific **NLRP3** inhibitor, inhibits NLRP3 inflammasome assembly.

JT001 potently and selectively inhibited NLRP3 inflammasome assembly, resulting in the inhibition of cytokine release and the prevention of pyroptosis, a form of inflammatory cell death triggered by active caspase-1, in cell-based assays.

Orally administered JT001 was effective in reducing hepatic inflammation in three different murine models, including the Nlrp3A350V/+CreT model of Muckle-Wells syndrome (MWS), a diet-induced obesity NASH model, and a choline-deficient diet-induced NASH model.

References

Povero D, et al. *J Pharmacol Exp Ther.* 2023 Aug;386(2):242-258.

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

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