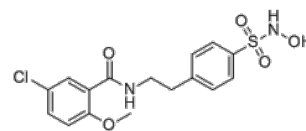


Product Name : JC-171
Cat. No. : PC-61787
CAS No. : 2112809-98-8
Molecular Formula : C₁₆H₁₇ClN₂O₅S
Molecular Weight : 384.831
Target : NOD-like Receptor (NLR)
Solubility : 10 mM in DMSO



Biological Activity

JC-171 is a selective **NLRP3** inflammasome inhibitor that inhibits LPS/ATP-induced IL-1 β release from macrophages with IC₅₀ of 8.45 μ M.

JC-171 interferes with NLRP3/ASC interaction induced by LPS/ATP stimulation both in vitro and in vivo.

JC-171 delays the progression and reduces the severity of experimental autoimmune encephalomyelitis (EAE).

References

Guo C, et al. *ACS Chem Neurosci*. 2017 Jul 13. doi: 10.1021/acschemneuro.7b00124.

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

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