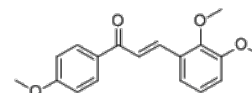


Product Name : L6H21
Cat. No. : PC-21724
CAS No. : 24533-47-9
Molecular Formula : C₁₈H₁₈O₄
Molecular Weight : 298.34
Target : Other Targets
Solubility : 10 mM in DMSO



CAS: 24533-47-9

Biological Activity

L6H21 is an orally active, potent and specific **myeloid differentiation 2** (MD-2) inhibitor with binding KD value of 33.3 uM, blocks the formation of the LPS-TLR4/MD-2 complex.

L6H21 inhibits LPS-induced expression of TNF- α and IL-6 in RAW264.7 macrophages with IC₅₀ of 6.58 and 8.59 μ M, respectively.

L6H21 inhibits EtOH + LPS-induced apoptosis and mitochondrial damage in RAW264.7 cells.

L6H21 attenuates EtOH + LPS-induced ROS formation and TLR4-NF- κ B activation, and decreases NLRP3 inflammasome activation.

L6H21 (10 mg/kg, Oral gavage, daily) effectively inhibits EtOH + LPS-induced hepatic fat accumulation, hepatic steatosis and liver injury in vivo.

References

Kong X, et al. *Alcohol Clin Exp Res*. 2019 Aug;43(8):1662-1671.

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

E-mail: tech@probechem.com