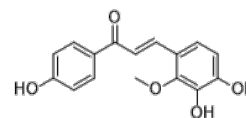


Product Name : Licochalcone B
Cat. No. : PC-23579
CAS No. : 58749-23-8
Molecular Formula : C₁₆H₁₄O₅
Molecular Weight : 286.28
Target : Amyloids
Solubility : 10 mM in DMSO



Biological Activity

Licochalcone B is an extract from the root of *Glycyrrhiza uralensis*, inhibits amyloid β (42) self-aggregation (IC₅₀=2.16 μ M) and disaggregate pre-formed A β 42 fibrils, reduces metal-induced A β 42 aggregation through chelating metal ions. Licochalcone B specifically inhibits the NLRP3 inflammasome by disrupting NEK7-NLRP3 interaction. Licochalcone B inhibits phosphorylation of NF- κ B p65 in LPS signaling pathway. Licochalcone B inhibits growth and induces apoptosis of NSCLC cells.

References

- Cao Y, et al. *Nat Prod Res.* 2018 Oct 22:1-4.
Jun-ichi Furusawa, et al. *Int Immunopharmacol.* 2009 Apr;9(4):499-507.
Ha-Na Oh, et al. *Phytomedicine.* 2019 Oct;63:153014.

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

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