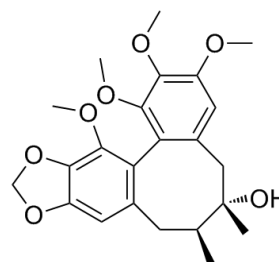


Product Name : Gomisin A
Synonyms : Gomisin-A; TJN-101; Wuweizi alcohol-B
Cat No. : M18850
CAS Number : 58546-54-6
Molecular Formula : C₂₃H₂₈O₇
Formula Weight : 416.47
Chemical Name : —



Description : Gomisin A may exert neuroprotective effects by attenuating the microglia-mediated neuroinflammatory response via inhibiting the TLR4-mediated NF-κB and MAPKs signaling pathways. Gomisin A has anti-inflammatory property, potentially result from the inhibition of COX-2, iNOS, IL-6, TNF-α and NO through the down-regulation of RIP2 and NF-κB activation. Gomisin A induces marked protective effects against hepatic and renal injury induced by CCl₄ exposure through differential regulation of the MAPK signal transduction pathway. Gomisin A significantly inhibits cell proliferation in a dose-dependent manner, due to cell cycle arrest in the G1 phase with the downregulation of cyclin D1 expression and Retinoblastoma (RB) phosphorylation.

Pathway : Chromatin/Epigenetic
Target : COX
Receptor : Others
Solubility : DMSO : 50 mg/mL 120.06 mM; H₂O : < 0.1 mg/mL
SMILES : CC1CC2=CC3=C(C(=C2C4=C(C(=C(C4CC1(C)O)OC)OC)OC)OC)OC
Storage : (-20°C)
Stability : ≥ 2 years
Reference :