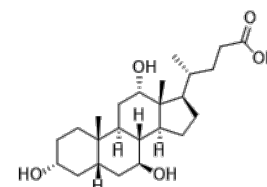


Product Name : Ursocholic acid
Cat. No. : PC-26884
CAS No. : 2955-27-3
Molecular Formula : C₂₄H₄₀O₅
Molecular Weight : 408.58
Target : AMPK
Solubility : 10 mM in DMSO



Biological Activity

Ursocholic acid (UCA) is a natural bile acid with established cholesterol-lowering properties, is a direct AMPK agonist and promotes Thr172 phosphorylation, and downregulates lipogenic genes (SREBF1, LPIN1, FASN, SCD1).

Ursocholic acid dose-dependently reduced hepatic lipid accumulation in vitro and in vivo.

Ursocholic acid ameliorates hepatic steatosis via direct AMPK activation in preclinical models of MASLD.

Ursocholic acid shows activities of anti-apoptosis, anti-inflammatory, immunomodulatory, bile regulation, and coordinated changes in mitochondrial integrity and cell signaling.

References

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

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