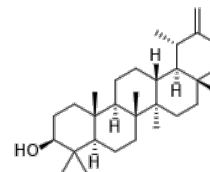


Product Name : Taraxasterol
Cat. No. : PC-27612
CAS No. : 1059-14-9
Molecular Formula : C₃₀H₅₀O
Molecular Weight : 426.73
Target : Liver X Receptor (LXR)
Solubility : 10 mM in DMSO



Biological Activity

Taraxasterol a pentacyclic triterpene compound with anti-oxidative and anti-apoptotic properties, activates LXR α -ABCA1 signaling pathway, upregulates histidine triad nucleotide-binding protein 1 (Hint1) expression in liver cancer cells.

Taraxasterol prevents cisplatin-induced cochlear hair cell loss via inducing GNAQ.

Taraxasterol dose-dependently inhibits LPS-induced TNF- α and IL-1 β production and NF- κ B activation in BV2 microglia cells.

Taraxasterol dose-dependently suppresses MMP-1, MMP3, MMP13, PGE2 and NO production induced by IL-1 β in osteoarthritic chondrocytes.

Taraxasterol protects against OVA-induced allergic asthma in mice.

Taraxasterol significantly inhibites the growth of HCC cells both in vitro and in vivo by regulating T lymphocytes.

Taraxasterol suppresses the growth of human liver cancer by upregulating Hint1 expression.

References

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Piao T, et al. Eur J Pharmacol. 2015 Jun 5;756:38-42.

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

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