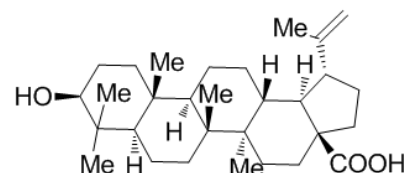


Product Name : Betulinic acid
Cat. No. : PC-42639
CAS No. : 472-15-1
Molecular Formula : C₃₀H₄₈O₃
Molecular Weight : 456.7003
Target : Topoisomerase
Solubility : 10 mM in DMSO



Biological Activity

Betulinic acid (Betulic acid) is a naturally occurring pentacyclic triterpenoid which has antiretroviral, antimalarial, and anti-inflammatory properties.

Betulinic acid shows to be a catalytic inhibitor of **Topo II** with IC₅₀ values ranging from 0.38 to 58 μM.

Betulinic acid induces cell death through induction of apoptosis and inhibition of autophagic flux in microglia BV-2 cells.

References

Potze L, et al. *Cell Death Dis.* 2014 Apr 10;5:e1169.

Seo J, et al. *Biomol Ther (Seoul).* 2017 Mar 10. doi: 10.4062/biomolther.2016.255.

Wada S, et al. *Chem Biodivers.* 2005 May;2(5):689-94.

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

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