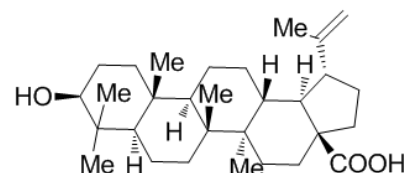


**Product Name** : Betulinic acid  
**Cat. No.** : PC-42639  
**CAS No.** : 472-15-1  
**Molecular Formula** : C<sub>30</sub>H<sub>48</sub>O<sub>3</sub>  
**Molecular Weight** : 456.7003  
**Target** : Topoisomerase  
**Solubility** : 10 mM in DMSO



## 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 IC<sub>50</sub> 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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