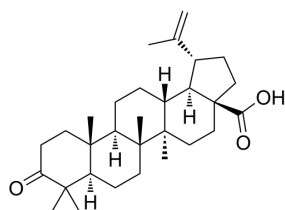


## Certificate of Analysis

**Product Name:** Betulonic acid  
**Cat. No.:** CS-5794  
**CAS No.:** 4481-62-3  
**Batch No.:** 24498  
**Chemical Name:** Lup-20(29)-en-28-oic acid, 3-oxo-

### PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Formula:** C<sub>30</sub>H<sub>46</sub>O<sub>3</sub>  
**Molecular Weight:** 454.68  
**Storage:** Storage temp. 2-8°C  
**Chemical Structure:**



### ANALYTICAL DATA

**Appearance:** White to off-white (Solid)  
**<sup>1</sup>H NMR Spectrum:** Consistent with structure  
**Purity (NMR):** ≥98.0%  
**Conclusion:** The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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