

**BVT-0409**

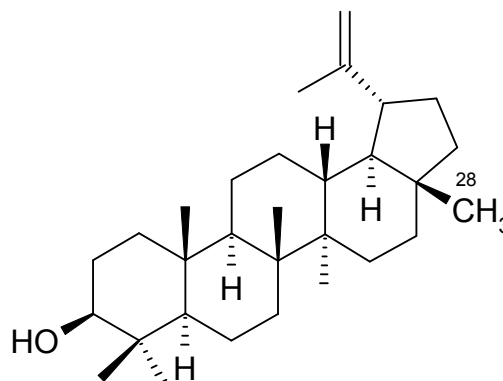
**Lupeol**

[28-Desoxybetulin]

Formula  $C_{30}H_{50}O$   
MW 426.7  
CAS 545-47-1

**Handling / Storage**

Shipping Ambient  
Short Term Storage +4°C  
Long Term Storage -20°C



**Use / Stability**

Store, as supplied, at -20°C for up to 1 year.  
Store solutions dark and at -20°C.

**Hazard / Toxicity**

MSDS available upon request.

**Product Specifications**

Source/Host Isolated from *birch bark (betula alba)*.  
Purity Detail >98% (HPLC)  
Appearance White solid.  
Solubility Soluble in methanol, acetone or DMSO.

**Other Product Data**

Identity Determined by  $^1H$ -NMR and UV.

**WARNING:** Intended for research use only. This product is not intended or approved for human, diagnostics, therapeutic or veterinary use. Use of this product for human or animal testing is extremely hazardous and may result in disease, severe injury, or death. **MATERIAL SAFETY DATA:** Review the complete Material Safety Data Sheet before use.

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### Product Description

- Triterpene from the birch bark.
- Anticancer compound.
- Anti-inflammatory.
- Antiarthritic.
- Further broad pharmacological activity.

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### Product Specific References

1. Birch bark research and development: P. A. Krasutsky; Nat. Prod. Rep. **2006**, 23, 919-942. (Review)
2. Pharmacological properties of the ubiquitous natural product betulin: S. Alakurtti et al.; Eur. J. Pharm. Sci. **2006**, 29, 1-13. (Review)
3. Pentacyclic triterpenes of the lupane, oleanane and ursane group as tools in cancer therapy: M. N. Laszczyk; Planta Med. **2009**, 75, 1549-1560. (Review)
4. Beneficial health effects of lupeol triterpene, a review of preclinical studies: H. R. Siddique and M. Saleem; Life Sciences **2011**, 88, 285-293.

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