

**BVT-0404**

BVT-0404-M001 1 mg  
BVT-0404-M005 5 mg

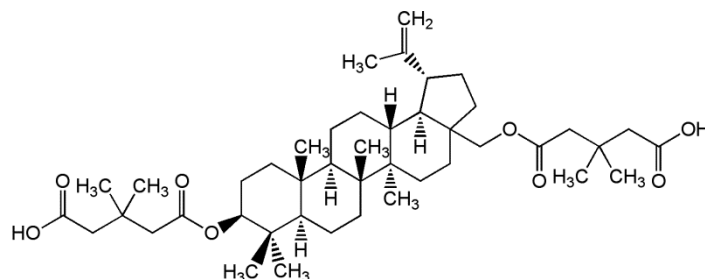
Formula  $C_{44}H_{70}O_8$   
MW 727.0  
CAS Unlisted  
Merck Index Unlisted  
RTECS Unlisted

**Handling / Storage**

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

**3,28-Di-O-(3,3-dimethylglutaryl)betulin**

[3,28-di(diMeG)betulin; NSC705961; Betulin 3,28-(3,3-dimethylglutarate)]



**Use / Stability**

Stable for at least 1 year after receipt when stored, as supplied, at -20 C.  
Store solutions dark and at -20°C.

**Hazard / Toxicity**

MSDS available upon request.

**Product Specifications**

Source/Host Semi-synthetic derivative of betulin.  
Purity Detail >97% (HPLC)  
Appearance White solid.  
Solubility Soluble in methanol, acetone and DMSO.

**Other Product Data**

Identity Determined by  $^1H$ -NMR.

**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.

## Product Description

- Semi-synthetic derivative of betulin (from birch bark).
- Potent antiviral compound.
- Shows anti-HIV activity (more active than AZT *in vitro*).

---

## Product Specific References

1. Anti-AIDS agents. 32. Synthesis and anti-HIV activity of betulin derivatives: I.-C. Sun, et al.; Bioorg. Med. Chem. Lett. **8**, 1267 (1998)
2. Anti-AIDS agents. 34. Synthesis and structure-activity relationships of betulin derivatives as anti-HIV agents: I.-C. Sun, et al.; J. Med. Chem. **41**, 4648 (1998)
3. 3,28-Di-O-(dimethylsuccinyl)-betulin isomers as anti-HIV agents: Y. Kashiwada, et al.; Bioorg. Med. Chem. Lett. **11**, 183 (2001)
4. 3-O-Glutaryl-dihydrobetulin and related monoacyl derivatives as potent anti-HIV agents: Y. Kashiwada, et al.; Bioorg. Med. Chem. Lett. **14**, 5851 (2004)
5. Birch bark research and development: P.A. Krasutsky; Nat. Prod. Rep. **23**, 919 (2006)
6. Pharmacological properties of the ubiquitous natural product betulin: S. Alakurtti, et al.; Eur. Pharm. Sci. **29**, 1 (2006)

---

**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.