

BVT-0403

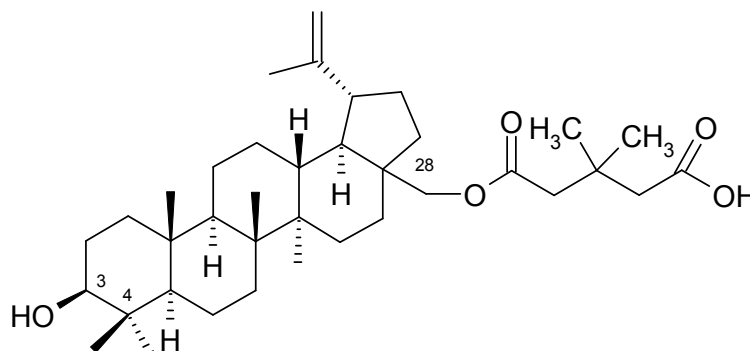
28-O-(3,3-Dimethylglutaryl)-betulin

[Betulin 28-(3,3-dimethyl)glutarate]

Formula $C_{37}H_{60}O_5$
MW 584.9
CAS 209798-91-4

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 Semi-synthetic derivative of betulin.
Purity Detail >98% (HPLC)
Appearance White solid.
Solubility Soluble in methanol, acetone or 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 the triterpene betulin.
- Antiviral.
- Shows anti-HIV activity (less active than BVT-404).

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. **1998**, 8, 1267-1272.
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. **1998**, 41, 4648-4657.
3. 3-O-Glutaryl-dihydrobetulin and related monoacyl derivatives as potent anti-HIV agents: Y. Kashiwada et al.; Bioorg. Med. Chem. Lett. **2004**, 14, 5851-5853.
4. Birch bark research and development: P.A. Krasutsky; Nat. Prod. Rep. **2006**, 23, 919-942.
5. Pharmacological properties of the ubiquitous natural product betulin: S. Alakurtti et al.; Eur. Pharm. Sci. **2006**, 29, 1-13.

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