

BVT-0412

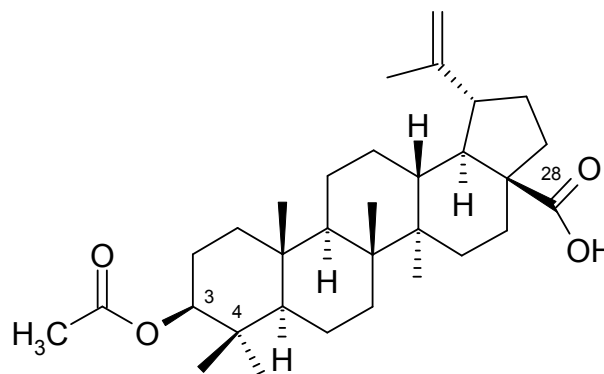
3-O-Acetylbetulinic acid

[Betulinic acid 3-acetate]

Formula $C_{32}H_{50}O_4$
MW 498.8
CAS 10376-50-8

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 betulinic acid.
Purity Detail >95% (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 betulinic acid.
- Antiviral.
- Antiprotozoal.
- Anticancer compound.

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. Betulinic acid derivatives as anticancer agents. Structure activity relationship: R. Mukherjee et al.; Anticancer Agents Med. Chem. **2006**, 6, 271-279.
4. Activation and inhibition of the proteasome by betulinic acid and its derivatives: L. Huang et al.; FEBS Lett. **2007**, 581, 4955-4959.
5. Antiprotozoal activity of betulinic acid derivatives: D. B. Dominguez-Carmona et al.; Phytomedicine **2010**, 17, 379-382.
6. Lupane triterpenoids. Betulin and betulinic acid derivatives induce apoptosis in tumor cells: H. Kommera et al.; Invest New Drugs **2011**, 29, 266-272.

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