

BVT-0415

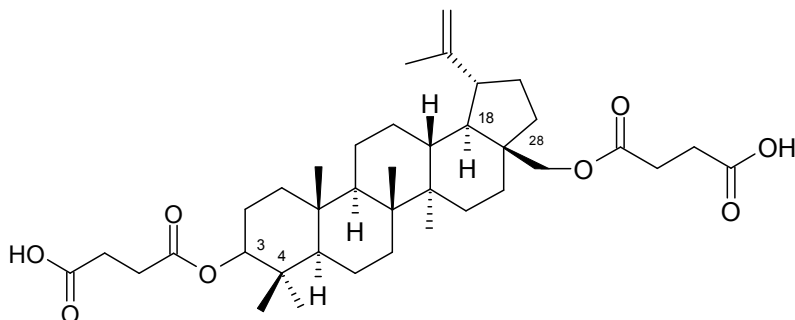
3,28-Di-O-succinyl-betulin

[Betulin 3,28-disuccinate]

Formula $C_{38}H_{58}O_8$
MW 642.9
CAS 72093-15-3

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 >95% (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.

Product Description

- Semi-synthetic derivative of the triterpene betulin.
- Antiviral (incl. antiprotozoal).
- Shows anti-HIV activity.

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. 3,28-Di-O-(dimethylsuccinyl)-betulin isomers as anti-HIV agents: Y. Kashiwada et al.; Bioorg. Med. Chem. Lett. **2001**, 11, 183-185.
4. Pharmacological properties of the ubiquitous natural product betulin: S. Alakurtti et al.; Eur. Pharm. Sci. **2006**, 29, 1-13.
5. Novel betulin derivatives as antileishmanial agents with mode of action targeting type IB DNA topoisomerase: S. Chowdhury et al.; Mol. Pharm. **2011**, 80, 694-703.
6. 3D-QSAR studies on betulinic acid and betulin derivatives as anti-HIV-1 agents using CoMFA and CoMSIA: P. Lan et al.; Med. Chem. Res. **2011**, 20, 1247-1259.

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.