

BVT-0393

BVT-0393-M001 1 mg
BVT-0393-M005 5 mg

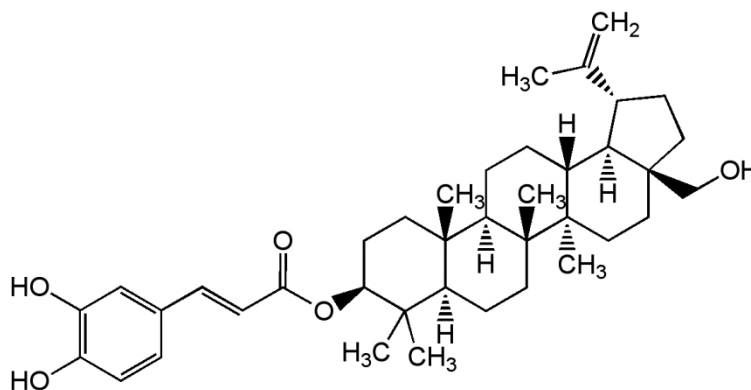
Formula $C_{39}H_{56}O_5$
MW 604.9
CAS 89130-86-9
Merck Index Unlisted
RTECS Unlisted

Handling / Storage

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

3-O-Caffeoyl-betulin

[Betulin 3-caffeate]



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 Isolated from birch bark (*Betula alba*).
Purity Detail >96% (HPLC)
Appearance Light yellow 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

- Anti-proliferative.
- Shows anti-melanoma activity.
- Sun-block ingredient for cosmetics. Prevents sun burning, premature aging and skin cancer.
- Antibacterial.

Product Specific References

1. Betulin-3-caffeate from *Quercus suber*. ¹³C-NMR spectra of some lupenes: A. Patra, et al.; J. Nat. Prod. **51**, 217 (1988)
2. Triterpene caffeates from bark of *Betula pubescens*: H. Pan, et al.; Phytochem. **37**, 795 (1994)
3. Antitumor-promoting constituents from *Chaenomeles sinensis* KOEHNE and their activities in JB6 epidermal cells: H. Gao, et al.; Chem. Pharm. Bull. **51**, 1318 (2003)
4. Antibacterial activity of hydrolyzable tannins derived from medicinal plants against helicobacter pylori: K. Funatogawa, et al.; Microbiol. Immunol. **48**, 251 (2004)
5. Birch bark research and development: P. A. Krasutsky; Nat. Prod. Rep. **23**, 919 (2006)

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