

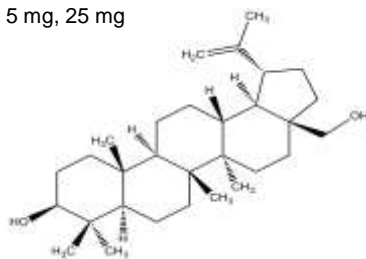
Betulin

ALTERNATE NAME: Lup-20(29)-ene-3 β ,28-diol

CATALOG #: 1942-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₃₀H₅₀O₂

MOLECULAR WEIGHT: 442.72

CAS NUMBER: 473-98-3

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO or Ethanol

PURITY: \geq 98%

STORAGE: Store at -20 °C. Protect from light and moisture

DESCRIPTION: A specific, small molecule inhibitor of SREBP (Sterol Regulatory Element-Binding Proteins). Betulin decreases lipid levels, enhances insulin sensitivity, and reduces the development of atherosclerotic plaques. Betulin can serve as a lead compound for pharmacological control of metabolic diseases.

REFERENCE: Tang, J.-J., *et al.* (2011). *Cell Metabolism* **13**, 44-56.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

FOR RESEARCH USE ONLY! Not to be used on humans.

RELATED PRODUCTS:

- Betulinic Acid (**Cat. No. 1552-25, 100**)
- CETP Activity Assay Kit (**Cat. No. K601-100**)
- CETP Inhibitor Drug Screening Kit (**Cat. No. K601-100**)
- CETP Antibody (**Cat. No. 3413-100**)
- CETP Blocking peptide (**Cat. No. 3413BP-50**)
- Cholesterol Quantitation Kit (**Cat. No. K603-100**)
- Cholesterol/Cholesteryl Ester Quantitation Kit II (**Cat. No. K623-100**)
- HDL and LDL/VLDL Quantification Kit (**Cat. No. K613-100**)
- SREBP1 Antibody (**Cat. No. 3961-100**)
- SREBP1 Blocking Peptide (**Cat. No. 3961BP-50**)