

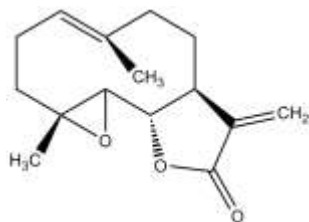
Parthenolide

ALTERNATE NAME: (1aR-[1aR*,4E,7aS*,-10aS*,-10bR*])-2,3-6,7,7a,8,10a,10b-octahydro-1a,5-dimethyl-8-methyleneoxireno[9,10]cyclo-deca[1,2-b]furan-9(1aH)-one

CATALOG #: 1868-10, 50

AMOUNT: 10mg, 50 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₅H₂₀O₃

MOLECULAR WEIGHT: 248.32

CAS NUMBER: 20554-84-1

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO (100 mg/ml) or EtOH (20 mg/ml)

PURITY: ≥97% by TLC

STORAGE: Store at -20 °C

DESCRIPTION: An anti-inflammatory agent. Specifically inhibits activation of NF-κB by preventing the degradation of IκBα and IκBβ. Inhibits activation of MAP kinase (MAPK/ERK) and generation of leukotriene B₄ and thromboxane B₂. Potent anticancer agent. Induces apoptosis in various cancer cell lines. Specifically inhibits histone deacetylase 1 (HDAC1) without affecting other class I/II HDACs.

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:

- BAY 11-7082 (Cat. No. 1867-10, 50)
- Honokiol (Cat. No. 1762-10, 50)
- PDTC (Cat. No. 1676-100)
- Triptolide (Cat. No. 1761-1,5)