

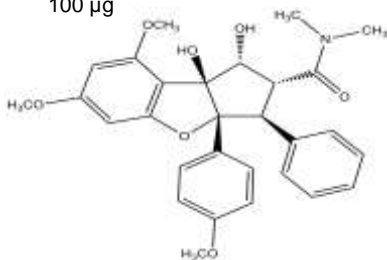
Rocaglamide

ALTERNATE NAME: Rocaglamide A

CATALOG #: 1863-100

AMOUNT: 100 µg

STRUCTURE:



MOLECULAR FORMULA: C₂₉H₃₁NO₇

MOLECULAR WEIGHT: 505.56

CAS NUMBER: 84573-16-0

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO or EtOH

PURITY: ≥98% by HPLC

STORAGE: Store at -20 °C

DESCRIPTION: An immunosuppressant and a potent inhibitor of NF-κB activation in T cells, with an almost complete inhibition at 200 nM. Suppresses cytokine production (IFN-γ, TNF-α, IL-2 and IL-4) and inhibits NF-AT in peripheral blood T cells at concentrations that do not impair NF-κB and AP-1 activities. Also induces mitochondria-mediated apoptosis in leukemia cells and sensitizes CD95/CD95L-mediated apoptosis in malignant T-cells by differential regulation of CD95L and c-FLIP expression.

REFERENCE: Jhu, J.Y., *et al.* (2009). *Cell Death Differ.* **16**, 1289-1299.

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

- Ascomycin (Cat. No. 1573-2)
- Cyclosporin A (Cat. No. 1522-100, 1G)
- FK-506 (Cat. No. 1563-1, 10)
- Honokiol (Cat. No. 1762-10, 50)
- PDTC (Cat. No. 1676-100)
- Rapamycin (Cat. No. 1568-5, 50)
- Triptolide (Cat. No. 1761-1, 5)