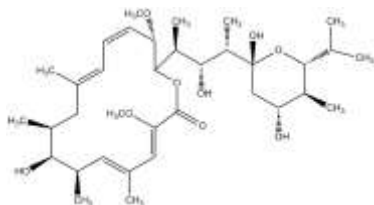


Bafilomycin A1

CATALOG #: 1829-50, 250

AMOUNT: 50 µg, 250 µg

STRUCTURE:



MOLECULAR FORMULA: C₃₅H₅₈O₉

MOLECULAR WEIGHT: 622.84

CAS NUMBER: 88899-55-2

APPEARANCE: Colorless film

SOLUBILITY: DMSO

PURITY: ≥95% by HPLC

STORAGE: Store at -20 °C

DESCRIPTION: A highly potent and selective inhibitor of vacuolar H⁺-ATPases (V-ATPases) *in vitro*. It is effective in nanomolar concentrations in animal cells, plant cells and microorganisms; also selective over other ATP hydrolyzing enzymes such as F-ATPases, Ca²⁺-ATPases, Na⁺/K⁺-ATPases and plasma membrane H⁺-ATPases. Also prevents autophagy at a late stage by inhibiting fusion between autophagosomes and lysosomes.

REFERENCE: Bowman, E.J., *et al.* (1988). *Proc. Natl. Acad. Sci. USA* **85**, 7972-7976.

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

RELATED PRODUCTS:

- Amiodarone Hydrochloride (Cat. No. 1828-100, 500)
- Chloroquine Diphosphate (Cat. No. 1825-100, 500)
- Leupeptin Hemisulfate (Cat. No. 1648-25, 50,100)
- LY 294002 (Cat. No. 1667-5, 25)
- EZSolution™ LY 294002 (Cat. No. 1747-5)
- Niclosamide (Cat. No. 1826-100, 500)
- Pepstatin A (Cat. No. 1732-25, 100)
- Rapamycin (Cat. No. 1568-5, 50)
- EZSolution™ Rapamycin (Cat. No. 1746-5)
- Rottlerin (Cat. No. 1827-10)
- Wortmannin (Cat. No. 1670-1)