

Product name: **Bafilomycin A1**  
Molecular Formula: C<sub>35</sub>H<sub>58</sub>O<sub>9</sub>  
Molecular weight: 622.8  
CAS-Number: 88899-55-2  
Assay: minimum 90% (HPLC)

Storage Temp.: ±0°C

Literature References:

1. Werner, G. et al.; Tetrahedron Lett. 24, 5193 (1983)
2. Bowman, E.J. et al.; Proc. Nat. Acad. Sci. USA 85, 7972 (1988)
3. Umata, T. Et al. J. Biol. Chem. 265 21940 (1990)
4. Yoshimori, T. Et al., Biochem. J. 313, 65 (1996)
5. Heinle, S. et al., Drug Res. 38, 1130, 1988

Comments:

16 membered macrolide isolated from *Streptomyces griseus*

Biochemical/physiological actions:

Antibacterial, antifungal, insecticidal, immunosuppressive, inhibitor of vacuolar type H<sup>+</sup>-ATPase (V-ATPase) in animal cells, plant cells and microorganisms (grampositive bacteria, yeast and fungi). It has shown signs of inducing apoptosis in Capan-1 human pancreatic cancer cells.

Chemical Properties: Soluble in DMSO; MeOH

Structure:

