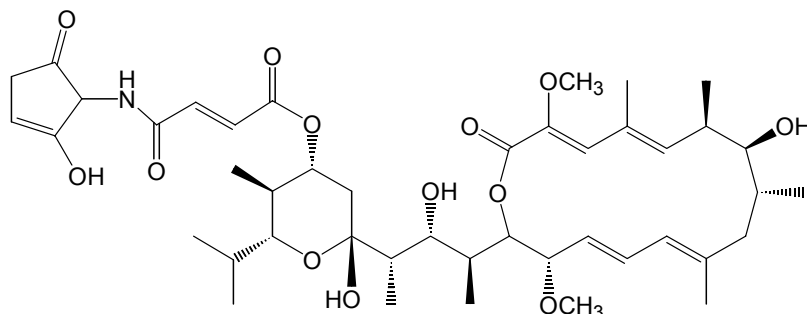


Bafilomycin B1

Code: **BIA-B1110**

Pack sizes: **1.0 mg, 5.0 mg**



Synonyms : **Setamycin**

Specifications

CAS # : **88899-56-3**
Molecular Formula : **C₄₄H₆₅NO₁₃**
Molecular Weight : **816.0**
Source : ***Streptomyces* sp. MST-AS5343**
Appearance : **Pale yellow powder**
Purity : **> 95% by HPLC**
Long Term Storage : **4°C**
Solubility : **Soluble in ethanol, methanol, DMF or DMSO. Note, forms methyl ketal on long term storage in methanol**

Application Notes

Bafilomycin B1 shares the same mode of action and activity spectrum as its more accessible A1 analogue. Bafilomycin B1 is broadly active against bacteria, fungi, insects, nematodes and protozoans. It has attracted interest as a potential antiosteoporotic agent for the treatment of bone lytic diseases.

References

1. Structure and function of V-ATPases in osteoclasts: potential therapeutic targets for the treatment of osteolysis. Xu J. et al. *J. Histol. Histopathol.* **2007**, 22, 443.
2. Bafilolides, Potent Inhibitors of the Motility and Development of the Free-Living Stages of Parasitic Nematodes. Lacey E. et al. *Int. J. Parasitol.* **1995**, 25, 349.