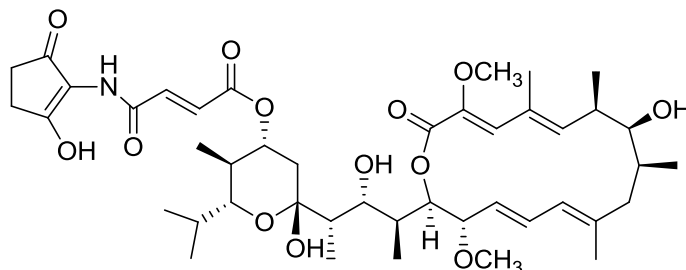


## Bafilomycin B1

Code No.: **BIA-B1110**

Pack sizes: **1 mg, 5 mg**



Synonyms : Setamycin

### Specifications

CAS #	: 88899-56-3
Molecular Formula	: C <sub>44</sub> H <sub>65</sub> NO <sub>13</sub>
Molecular Weight	: 816.0
Source	: <i>Streptomyces</i> sp.
Appearance	: Off-white to pale yellow solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility. NOTE: forms methyl ketal on long term storage in methanol.

### Application Notes

Bafilomycin B1 is a member of a potent family of macrocyclic lactones. Bafilomycin B1 shares the same mode of action and activity as its more accessible A1 analogue. Bafilomycin B1 is broadly active against bacteria, fungi, insects, nematodes and protozoans. Bafilomycin B1 has attracted interest as a potential agent for treating osteoporosis.

### References

1. 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.
2. Structure and function of V-ATPases in osteoclasts: potential therapeutic targets for the treatment of osteolysis. Xu J. et al., Histol. Histopathol. 2007, 22, 443.