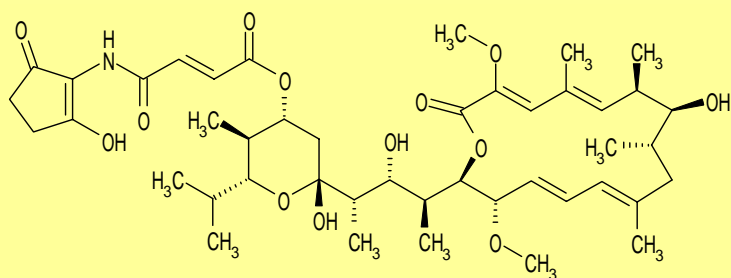


Bafilomycin B1 [Setamycin]

Cat.# BLK0580

Structure



Setamycin

Origin: from *Kitasatospora Setae* KM-6054

CAS Registry Number: 88899-56-3

CA Index Name:

Appearance: yellow powder

Molecular Formula/ Weight: $C_{44}H_{65}NO_{13}$ =815.45

Melting Point:

Purity: >98.0% by HPLC

Solubility: Sol. in MeOH, EtOH, Benzene
Insol. in water, Hexane

pKa:

log P:

Background Information:

Setamycin was isolated from the culture broth of the *actinomycete* strain KM-6054 and recognized to possess antimicrobial and nematocidal activity. Later, Bafilomycin, a Golgi protein transfer inhibitor was found, and Bafilomycin B1 was identified as being identical in structure to Setamycin. The taxonomic study of the producing strain led us to establish a new genus of *Kitasatospora setae*.

Handling and Storage:

Store at -20 .

References:

1. S. Omura et al., J. Antibiot., **34**, 1253 (1981).
2. K. Otaguro et al., J. Antibiot., **41**, 250 (1988).
3. G. Werner et al., J. Antibiot., **37**, 110 (1984).
4. S. Omura et al., J. Antibiotic., **34**, 1633 (1981).
5. S. Omura et al., J. Antibiotic., **35**, 1013 (1982).
6. Y. Takahashi et al., Zent. bl. Bacteriol. **289**, 263 (1999).
7. G. Michael et al., J. Antibiotic., **50**, 1073 (1997).
8. E. Ohta et al., Tetrahedron Lett., **42**, 4179 (2001).

Manufactured with Cortesy strain from The Kitasato Institute.