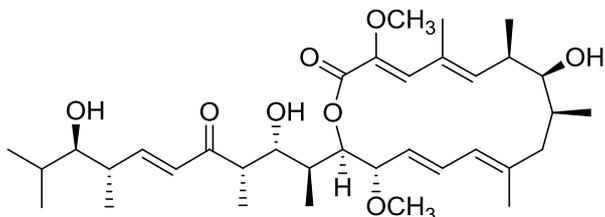


## Bafilomycin D

Code No.: **BIA-B1162**

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



Synonyms : Tubaymycin, 3D5

### Specifications

CAS #	: 98813-13-9
Molecular Formula	: C <sub>35</sub> H <sub>56</sub> O <sub>8</sub>
Molecular Weight	: 604.8
Source	: <i>Streptomyces</i> sp.
Appearance	: White powder
Purity	: >99% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

### Application Notes

Bafilomycin D is a member of a potent family of macrocyclic lactones. Bafilomycin D shares the same mode of action as bafilomycin A1 which has been the analogue of choice in cell biology studies of the role of ATPase. Bafilomycin D contains the ring-opened side chain and is a much more stable analogue of bafilomycin A1. Limited availability has restricted a more in depth investigation of this metabolite.

### References

1. The structure of novel insecticidal macrolides: bafilomycin D and E, and oxyhygrolidin. Kretschmer A. et al., Agric. Biol. Chem. 1985, 49, 2509
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.