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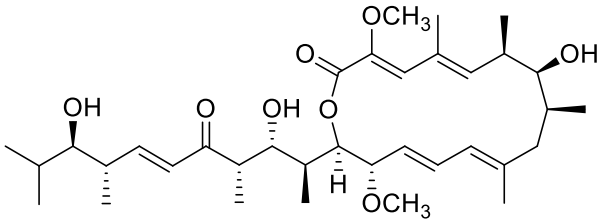
PRODUCT DATA SHEET

Bafilomycin D

Code No.: **BIA-B1162**

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



Synonyms : Tubaymycin, 3D5

Specifications

CAS #	:	**98813-13-9**
Molecular Formula	:	**$C_{35}H_{56}O_8$**
Molecular Weight	:	**604.8**
Source	:	***Streptomyces* sp.**
Appearance	:	**White powder**
Purity	:	**>95% 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 oxhygrolidin. 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.

Updated: 20 May 2021

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