Martinomycin

Item No. 27737

CAS Registry No.: 160791-16-2
MF: C₄₉H₈₄O₁₇
FW: 945.2
Purity: ≥95%
Supplied as: A solid
Storage: -20°C
Stability: ≥1 year
Item Origin: Bacteria/Actinoallamurus yoronensis

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Martinomycin is supplied as a solid. A stock solution may be made by dissolving the martinomycin in the solvent of choice. Martinomycin is soluble in organic solvents such as ethanol, methanol, and DMSO, which should be purged with an inert gas.

Description

Martinomycin is a polyether antibiotic originally isolated from the actinomycete S. salvialis. It is active against a variety of bacteria, including 11 strains of S. aureus, three strains of S. pneumoniae, and E. faecalis (MICs = 0.12-0.5, 0.06, and 0.5 µg/ml, respectively). It induces mortality in 80% of third instar S. eridania larvae when applied at a concentration of 10 ppm to bean leaves.

References