Oligomycin A

Synonyms :

Specifications

CAS # : 579-13-5
Molecular Formula : C_{45}H_{74}O_{11}
Molecular Weight : 791.1
Source : Streptomyces sp. MST-AS5339
Appearance : White Lyophilisate
Purity : > 95% by HPLC
Long Term Storage : -20°C
Solubility : Soluble in ethanol, methanol, DMF or DMSO.

Application Notes

Oligomycin A, the dominant analogue of a class macrocyclic lactones isolated from selected strains of Streptomyces sp., is an inhibitor of mitochondrial F1F0-ATPase. It makes cells more susceptible to cell death and also leads to a switch in the death mode from apoptosis to necrosis. Oligomycin A exhibits a broad biological profile including antifungal, antitumor and nematocidal activities.

References