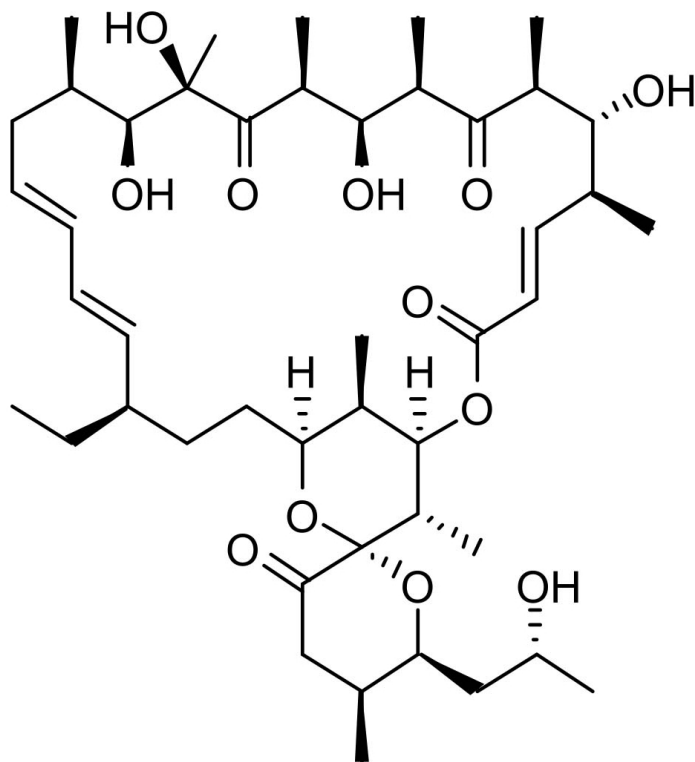


Oligomycin B

Code No.: BIA-O1060

Pack sizes.: 5mg, 25mg



Synonyms:

-

Specifications

CAS #	: 11050-94-5
Molecular Formula	: C45H72O12
Molecular Weight	: 805.1
Source	: -
Appearance	: White Lyophilisate
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.

Application Notes

Oligomycin B, a minor component of the oligomycin complex isolated from selected strains of *Streptomyces*, 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.

References

1. Age-dependent cell death and the role of ATP in hydrogen peroxide-induced apoptosis and necrosis. Miyoshi N. et al., Proc. Natl Acad. Sci. USA 2006, 103, 1727.
2. Mitochondria in eosinophils: functional role in apoptosis but not respiration. Peachman K.K. et al., Proc. Natl Acad. Sci. USA 2001, 98, 1717.
3. The BH3 domain is required for caspase-independent cell death induced by Bax and oligomycin. Fitch M.E. et al., Cell Death Differ. 2000, 7, 338.