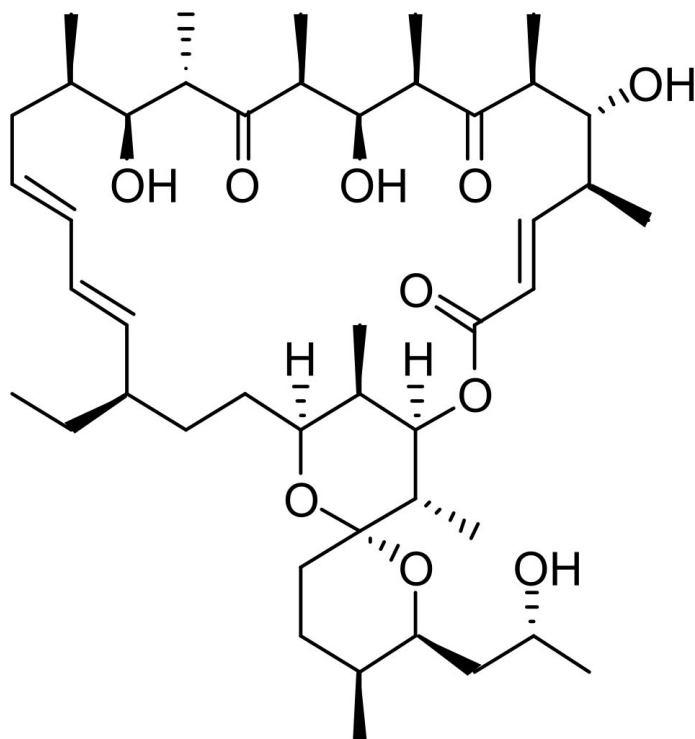


## Oligomycin C

Code No.: BIA-O1061

Pack sizes.: 1mg, 5mg



Synonyms:  
12-Deoxyoligomycin A

## Specifications

CAS #	: <b>11052-72-5</b>
Molecular Formula	: <b>C45H74O10</b>
Molecular Weight	: <b>775.1</b>
Source	: -
Appearance	: <b>White Lyophilisate</b>
Purity	: <b>&gt;95% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in ethanol, methanol, DMF or DMSO. Poor water solubility.</b>

## Application Notes

Oligomycin C, 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.