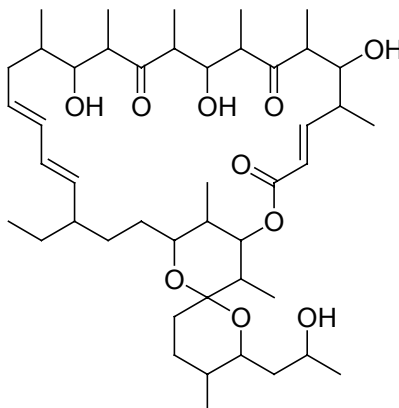


Oligomycin C

Code: **BIA-O1061**

Pack sizes: **1.0 mg, 5.0 mg**



Synonyms : **12-deoxy-oligomycin A**

Specifications

CAS # : **11052-72-5**
Molecular Formula : **C₄₅H₇₄O₁₀**
Molecular Weight : **775.1**
Source : ***Streptomyces* sp. MST- AS5339**
Appearance : **White solid**
Purity : **> 95% by HPLC**
Long Term Storage : **-20°C**
Solubility : **Soluble in ethanol, methanol, DMF or DMSO.**

Application Notes

Oligomycin C, a minor component of the oligomycin complex isolated from *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.

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.