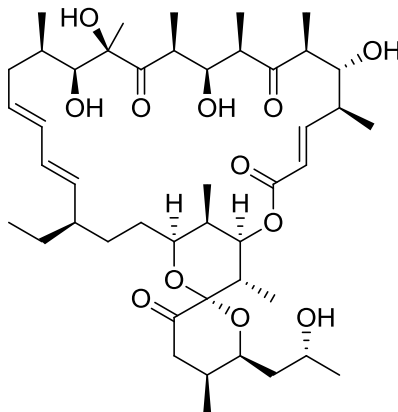


Oligomycin B

Code No.: **BIA-O1060**

Pack sizes: **5 mg, 25 mg**



Synonyms :

Specifications

CAS #	:	11050-94-5
Molecular Formula	:	C₄₅H₇₂O₁₂
Molecular Weight	:	805.1
Source	:	<i>Streptomyces</i> sp.
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.