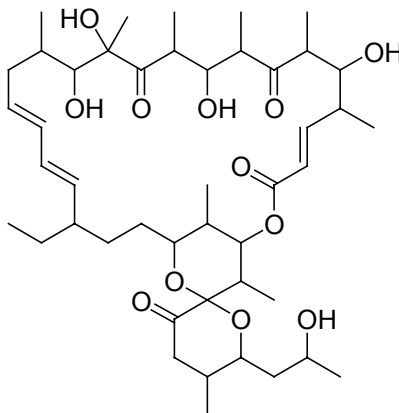


Oligomycin B

Code: **BIA-O1060**

Pack sizes: **5.0 mg, 25 mg**



Synonyms :

Specifications

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