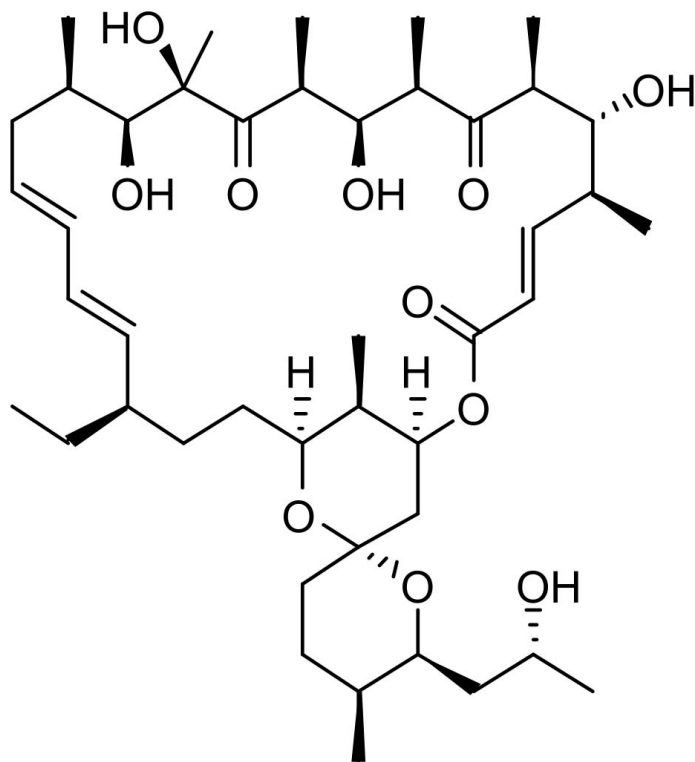


## Oligomycin D

Code No.: BIA-O1438

Pack sizes.: 0.5mg, 2.5mg



### Synonyms:

Rutamycin, 26-demethyloligomycin A, A 272, RR 32705, Rutamycin A

## Specifications

CAS #	: <b>1404-59-7</b>
Molecular Formula	: <b>C44H72O11</b>
Molecular Weight	: <b>777</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 D (rutamycin) is macrocyclic lactone belonging to the oligomycin class but identified from different species of Streptomyces in 1961. Like oligomycin A, oligomycin D inhibits mitochondrial F1F0-ATPase and is an important bioprobe to study the organisation of ATPase on the mitochondrial membrane. Oligomycin D exhibits a broad biological profile including antifungal, antitumor and nematocidal activities.

## References

1. Antifungal antibiotic rutamycin and process for the production thereof. Thompson R.Q. US Patent 3,310,468, 1967.
2. Assembly of the mitochondrial system. Purification of a mitochondrial product of the ATPase. Sierra M.F. & Tzagoloff A. Proc. Natl. Acad. Sci. U.S.A. 1973, 70, 3155.