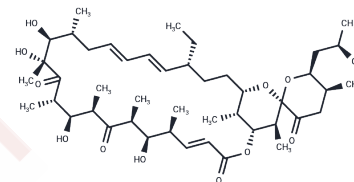


## Oligomycin B

## Chemical Properties

|                   |   |
|-------------------|---|
| CAS No. :         | 11050-94-5  |
| Formula:          | C <sub>45</sub> H <sub>72</sub> O <sub>12</sub>   |
| Molecular Weight: | 805.05  |
| Storage:          | Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br>Actual storage temperature shall be subject to the COA. |



## Biological Description

|               |  |
|---------------|--|
| Description   | Oligomycin B, an antibiotic isolated from marine Streptomyces, serves as an eukaryotic ATP synthase inhibitor and induces apoptosis. |
| Targets(IC50) | Apoptosis,ATPase,Others,Antibacterial,Antibiotic   |

## Preparing Stock Solutions

|       | 1mg       | 5mg       | 10mg       |
|-------|-----------|-----------|------------|
| 1 mM  | 1.2422 mL | 6.2108 mL | 12.4216 mL |
| 5 mM  | 0.2484 mL | 1.2422 mL | 2.4843 mL  |
| 10 mM | 0.1242 mL | 0.6211 mL | 1.2422 mL  |
| 50 mM | 0.0248 mL | 0.1242 mL | 0.2484 mL  |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Moerman KL, et al. Evidence that the lichen-derived scabrosin esters target mitochondrial ATP synthase in P388D1 cells. *Toxicol Appl Pharmacol.* 2003 Aug 1;190(3):232-40.

Dame ZT, et al. Oligomycins and pamamycin homologs impair motility and induce lysis of zoospores of the grapevine downy mildew pathogen, *Plasmopara viticola*. *FEMS Microbiol Lett.* 2016 Aug;363(16).

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