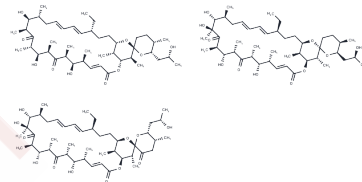


## Oligomycin

## Chemical Properties

|                   |  |
|-------------------|--|
| CAS No. :         | 1404-19-9  |
| Formula:          | C45H74O11(Oligomycin A) C45H72O12(Oligomycin B) C45H74O10(Oligomycin C)  |
| Molecular Weight: |  |
| Storage:          | Store at low temperature<br>Powder: -20°C for 3 years   In solvent: -80°C for 1 year<br><small>Actual storage temperature shall be subject to the COA.</small> |



## Biological Description

|               |  |
|---------------|--|
| Description   | Oligomycin is a macrolide antibiotic produced by Streptomyces. Oligomycin is commonly used to study mitochondrial function and cellular energy metabolism and has antifungal and antitumor activities.   |
| Targets(IC50) | ATPase,OXPPOS,HIF,Antibiotic,Antifungal  |
| In vitro      | <b>METHODS:</b> The OCI-AML-1 cell line, OCI-AML-5 cell line and K562 cell line were treated with Oligomycin (0.025-500 nM) for 4 days to detect the inhibition of cell growth.<br><b>RESULTS:</b> Bleomycin hydrochloride inhibited the growth of the OCI-AML-1 cell line (IC50=0.05 nM), the OCI-AML-5 cell line (IC50=0.1 nM), and the K562 cell line (IC50=0.05 nM). [1] |

## Solubility Information

|            |  |
|------------|--|
| Solubility | DMSO: 20.00 mg/mL,Sonication and heating are recommended.<br>(< 1 mg/ml refers to the product slightly soluble or insoluble) |
|------------|--|

## Reference

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