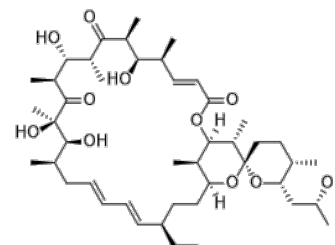


**Product Name** : Oligomycin A  
**Cat. No.** : PC-27205  
**CAS No.** : 579-13-5  
**Molecular Formula** : C<sub>45</sub>H<sub>74</sub>O<sub>11</sub>  
**Molecular Weight** : 791.08  
**Target** : Fungal  
**Solubility** : 10 mM in DMSO



## Biological Activity

Oligomycin A (MCH 32) is a macrolide antibiotic and mitochondrial complex V ATP synthase inhibitor, inhibits mitochondrial F<sub>0</sub>F<sub>1</sub>-ATPase inhibitor with K<sub>i</sub> of 1 μM, inhibits mitochondrial respiratory chain and oxidative phosphorylation (OXPHOS), shows anti-fungal and anti-cancer activities.

## References

Chang L, et al. Neurobiol Dis. 2024 Sep;199:106573.

Takeuchi N, et al. Mol Med Rep. 2023 Dec;28(6):229.

Mackieh R, et al. Antibiotics (Basel). 2023 Mar 24;12(4):650.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

E-mail: tech@probechem.com