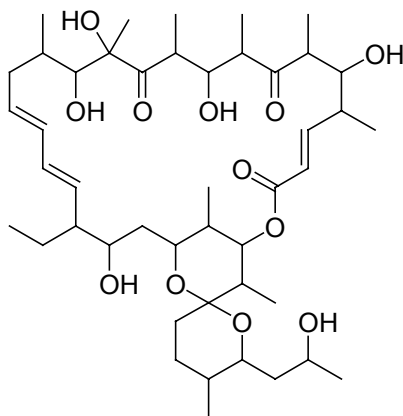


## 21-Hydroxyoligomycin A

Code: **BIA-O1062**

Pack sizes: **1.0 mg, 5.0 mg**



Synonyms : **Nemadectin  $\omega$ , Antibiotic LL-F28249  $\omega$**

### Specifications

CAS # : **102042-09-1**  
Molecular Formula : **C<sub>45</sub>H<sub>74</sub>O<sub>12</sub>**  
Molecular Weight : **807.1**  
Source : ***Streptomyces* sp. AS5351**  
Appearance : **White Lyophilisate**  
Purity : **> 95% by HPLC**  
Long Term Storage : **-20°C**  
Solubility : **Soluble in ethanol, methanol, DMF or DMSO.**

### Application Notes

21-Hydroxyoligomycin A is a rare member of the oligomycin class isolated as a co-metabolite of nemadectin, hence its original naming as nemadectin  $\omega$ . Only limited literature references to this metabolite are available. However, in-house testing suggests that 21-hydroxyoligomycin has a more selective action against mammalian tumor cell lines than oligomycin A, exhibiting only weak antifungal and nematocidal activity.

### References

1. Structure and Absolute Stereochemistry of 21-Hydroxyoligomycin A. Wagenaar M.M. et al. *J. Nat. Prod.* **2007**, in press.
2. Plasmid effects on secondary metabolite production by a streptomycete synthesizing an anthelmintic macrolide. Thomas D.I. et al. *J. Gen. Microbiol.* **1991**, 137, 2331.