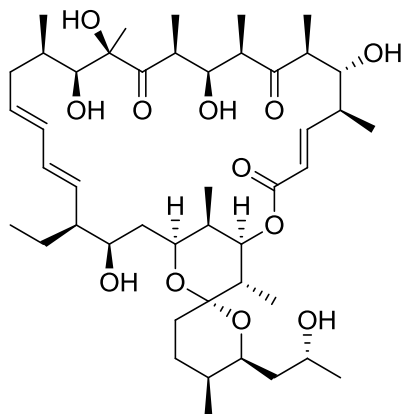


21-Hydroxyoligomycin A

Code No.: **BIA-O1062**

Pack sizes: **1 mg, 5 mg**



Synonyms : Nemadectin omega, LL-F28249 omega

Specifications

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

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.

Updated: 2 December 2014