



Product Information

Product ID N3225

CAS No. 28643-80-3

Chemical Name Antibiotic K 178 Sodium salt

Synonym Azalomycin M, Helixin C, Polyetherin A.

Formula C₄₀H₆₇O₁₁Na

Formula Wt. 746.94

Melting Point 245-255 °C

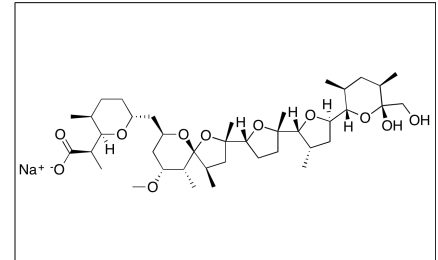
Purity ≥98%

Solubility Soluble in chloroform.
Practically insoluble in water.

Store Temp 4 °C

Ship Temp Ambient

Description Nigericin is an antibiotic found in *Streptomyces* that exhibits antibacterial activity against gram positive bacteria. Nigericin inhibits Golgi function and viral activation, acting as an antiviral compound. Nigericin also acts as a H⁺/K⁺/Pb²⁺ ionophore. Additionally, this compound displays pro-inflammatory and immunostimulatory activities, triggering activation of the NALP3 inflammasome.



Bulk quantities available upon request

Product ID	Size
N3225	1 mg
N3225	5 mg
N3225	10 mg

References Heid ME, Keyel PA, Kanga C, et al. Mitochondrial reactive oxygen species induces NLRP3-dependent lysosomal damage and inflammasome activation. *J Immunol.* 2013 Nov 15;191(10):5230-8. PMID: 24089192.

Myskiw C, Piper J, Huzarewich R, et al. Nigericin is a potent inhibitor of the early stage of vaccinia virus replication. *Antiviral Res.* 2010 Dec;88(3):304-10. PMID: 20951746.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.