

Hello Bio, Inc.
304 Wall St., Princeton, NJ 08540 USA

T. 609-683-7500
F. 609-228-4994

customercare-usa@m2stage.hellobio.com



DATASHEET

Elaiophylin

Product overview

Name	Elaiophylin
Cat No	HB0273
Biological action	Antibiotic
Purity	>95%
Description	Macrolide antibiotic

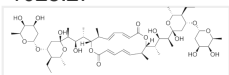
Biological Data

Biological description	Macrolide antibiotic. Testosterone 5-reductase and Mg ²⁺ -ATPase inhibitor. Shows anthelmintic and immunosuppressive actions. Enhances the antifungal actions of rapamycin.
-------------------------------	--

Solubility & Handling

Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.
------------------	---

Chemical Data

Chemical name	Azalomycin-B; Gopalamicin; Salbomycin
Molecular Weight	1025.27
Chemical structure	
Molecular Formula	C ₅₄ H ₈₈ O ₁₈
CAS Number	37318-06-2
PubChem identifier	6444206
SMILES	<chem>CC[C@H]1[C@@H](C[C@](O[C@@H]1C)(O)[C@H]([C@H](O)[C@@H]([C@H]2OC(=O)/C=C/C=C/[C@@H]([C@H](OC(=O)/C=C/C=C/[C@@H]2C)[C@H]([C@@H](O)[C@@H]([C@@]3(O[C@@H]([C@H]([C@@H](C3)O[C@@H]4O[C@H]([C@H]([C@H](C4)O)O)C)CC)C)O)C)C)C)O[C@@H]5O[C@H]([C@H]([C@H](C5)O)O)C</chem>

References

Characterization of the correlation between ATP-dependent aminophospholipid translocation and Mg²⁺-ATPase activity in red blood cell membranes.

Beleznay Z *et al* (1997) Eur J Biochem 243(1-2)
PubMedID [9030722](#)

SNA-4606-1, a new member of elaiophylins with enzyme inhibition activity against testosterone 5 alpha-reductase.

Nakakoshi M *et al* (1999) J Antibiot (Tokyo) 52(2)
PubMedID [10344572](#)

Enhancement of the antifungal activity of rapamycin by the coproduced elaiophyllin and nigericin.

Fang A *et al* (2000) J Antibiot (Tokyo) 53(2)

PubMedID

[10805576](#)
