Elaiophylin

Inhibitor of testosterone 5-reductase and P-ATPase

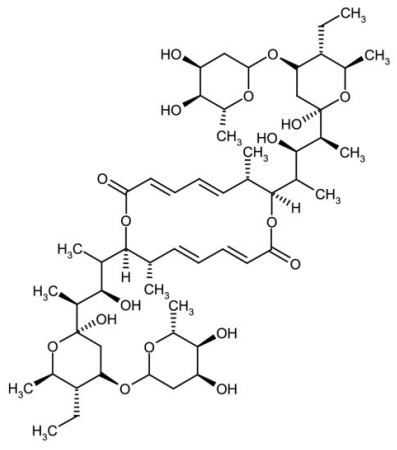
Macrolide antibiotic inhibiting testosterone 5-reductase and plasma-proton ATPase (P-ATPase). Shows antifungal, antiprotozoal, antitumor, antihelmintic and immunosuppressive activity.

Citations: 9 View Online »

Ordering Information Order Online »

ALX-380-212-M005	5mg

Manuals, SDS & CofA View Online »


CH3
HO
O
CH3
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O
O
HO
CH3
CH3
CH3
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H
O
O
H3C
H
CH3
O
H3C
OH
CH3
OH
O
O
OH
H3C
O
OH
H3C

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for at least 1 year after receipt when stored at -20°C.
Handling	Protect from light when in solution.
Short Term Storage	+4°C
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Antibiotic 255-E, Antibiotic 5001B, Antibiotic 56-62, Antibiotic 846 I, SNA 4606-3, Azalomycin B, Gopalamicin, Salbomycin
Appearance	White to off-white solid.
CAS	37318-06-2
Couple Target	ATPase, Testosterone 5-reductase
Couple Type	Inhibitor
Formula	$C_{54}H_{88}O_{18}$
Identity	Determined by 1H-NMR.
MW	1025.3
Purity	≥95% (HPLC)
RTECS	CL8380000
Solubility	Soluble in 100% ethanol, methanol, dimethyl formamide or DMSO.
Source	Isolated from *Streptomyces* sp. MT-1.

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