Piericidin A

NADH-ubiquinone oxidoreductase inhibitor

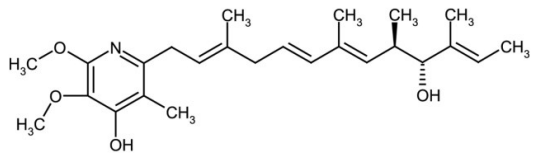
Antibiotic. Specific and potent inhibitor of NADH-ubiquinone oxidoreductase (complex I) that binds to ubiquinone binding site(s). Inhibits both mitochondrial and bacterial NADH ubiquinone oxidoreductase. Anticancer agent that prevents up-regulation of GRP78, and exhibits cytotoxic activity for etoposide resistant cancer cells under glucose-deprived conditions.

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Ordering Information Order Online »

ALX-380-235-M002	2mg

Manuals, SDS & CofA View Online »


CH3
CH3
CH3
CH3
CH3
O
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CH3
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OH

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Piericidin A1, Shaoguanmycin B, Antibiotic MT 1882-I, Antibiotic SN 198E, Antibiotic IT 143D
Appearance	Pale yellow oil.
CAS	2738-64-9
Couple Target	NADH-ubiquinone oxidoreductase
Couple Type	Inhibitor
Formula	$C_{25}H_{37}NO_4$
MW	415.6
Purity	≥95% (HPLC)
RTECS	YD4588000
Solubility	Soluble in 100% ethanol, methanol, dimethyl formamide or DMSO. Poorly soluble in water.
Source	Isolated from *Streptomyces* sp. MST-AS5364.

Last modified: May 29, 2024

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