Myriocin

Palmitoyltransferase inhibitor

Potent immunosuppressant ~10 to 100-fold more potent than cyclosporin A (Prod. No. BML-A195). Blocks sphingolipid biosynthesis by inhibiting serine palmitoyltransferase (K_i=0.28nM), therefore useful as a tool to deplete cells of sphingolipids. Induces apoptosis by depletion of cellular sphingolipids. Inhibits proliferation of an IL-2-dependent mouse cytotoxic cell line CTLL-1 (IC_{50}=15nM).

Citations: 13 View Online »

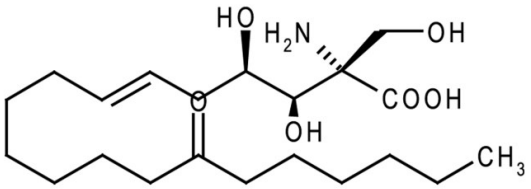
Ordering Information

Order Online »

BML-SL226-0005	5mg

Manuals, SDS & CofA

View Online »


HO
H2N
OH
COOH
O
OH
CH3

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, as supplied, at -20°C. Stock solutions are stable for up to 3 months at -20°C.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	ISP-1, Thermozymocidin, 2S,3R,4R,6E-2-Amino-3,4-dihydroxy-2-hydroxymethyl-14-oxo-6-eicosenoic acid
Appearance	White to off-white solid.
CAS	35891-70-4
Couple Target	Palmitoyltransferase
Couple Type	Inhibitor
Formula	$C_{21}H_{39}NO_6$
MW	401.5
Purity	≥98% (TLC)
RTECS	JX3890000
Solubility	Soluble in DMSO (25mg/ml; heat briefly in boiling water bath) or in dilute base (5mg/ml; 50mM NaOH).

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