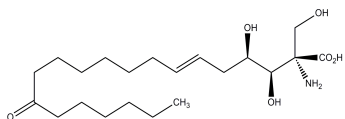


PRODUCT: Myriocin (ISP-1)**ALTERNATE NAME:** (2S,3R,4R,6E)-2-Amino-3,4-dihydroxy-2-(hydroxymethyl)-14-oxo-6-eicosenoic acid; Thermozymocidin**CATALOG #:** 2567-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₂₁H₃₉NO₆**MOLECULAR WEIGHT:** 401.54**CAS No.** 35891-70-4**APPEARANCE:** Off-white solid**SOLUBILITY:** DMSO (~20 mg/ml)**PURITY:** ≥98%**STORAGE:** Store at -20°C. Protect from light and air**DESCRIPTION:** A fungal metabolite with potent immunosuppressant activity that is 10-100-fold compared to Cyclosporin A (Cat. No. 1522). It inhibits serine palmitoyltransferase (K_i = 0.28 nM) blocking the synthesis of ceramide. It was found to suppress melanoma cell proliferation by cell cycle arrest at the G₂/M phase through decreased sphingolipid levels and increased p53 and p21 (waf1/cip1) expression.**REFERENCES:** Miyake, Y., *et al.* (1995). *Biochem. Biophys. Res. Commun.* **211**, 396-403.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**

A771726 (Cat. No. 1973-5, 25)

Ascomycin (Cat. No. 1570-2)

Cyclosporin A (Cat. No. 1522-100, 1G)

(R,S)-Lenalidomide (Cat. No. 1862-25, 100)

FK506 (Cat. No. 1563-1,10)

Leflunomide (Cat. No. 1972-10, 50)

Mycophenolic acid (Cat. No. 1882-50, 250)

Rapamycin (Cat. No. 1568-5, 50)

Rocaglamide (Cat. No. 1863-100)

USAGE: **FOR RESEARCH USE ONLY! Not to be used in humans.**