



CERTIFICATE of ANALYSIS

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| PRODUCT: | Myriocin From <i>Mycelia sterile</i> [ISP-1, Thermozytocidin, 2S,3R,4R,6E-2-Amino-3,4-dihydroxy-2-hydroxymethyl-14-oxo-6-eicosenoic acid], C ₂₁ H ₃₉ NO ₆ , M.W. 401.54, CAS# [35891-70-4] |
| PRODUCT NUMBER: | M-1235 |
| LOT NUMBER: | C1129 |
| APPEARANCE: | White to off-white solid. |
| SOLUBILITY: | Soluble in DMSO (25mg/ml; heat briefly in boiling water bath) or in dilute base (5mg/ml; 50mM NaOH). |
| PURITY: | ≥98% (TLC) |
| DESCRIPTION: | Palmitoyltransferase inhibitor. Potent immunosuppressant ~10 to 100-fold more potent than cyclosporin A. 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). |
| STORAGE & HANDLING: | Store at -20°C. Stock solutions are stable for up to 3 months at -20°C. <u>WARNING:</u> HARMFUL! CAUTION: For laboratory research & scientific manufacturing use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved. |
| | Verified: DD |