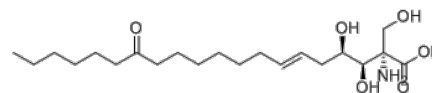


Product Name : Myriocin
Cat. No. : PC-61423
CAS No. : 35891-70-4
Molecular Formula : C₂₁H₃₉NO₆
Molecular Weight : 401.5
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

Myriocin (ISP-1) is an amino fatty acid antibiotic that is 10- to 100-fold more potent than cyclosporin A as an immunosuppressive agent of the immune response in vitro and in vivo.

Myriocin (ISP-1) is a potent inhibitor of **serine palmitoyltransferase** (SPT) with K_i of 0.28 nM.

Myriocin (ISP-1) inhibits the proliferation of IL-2-dependent mouse cytotoxic T cell line CTLL-2 (IC₅₀=15 nM) by the modulation of sphingolipid metabolism.

References

Fujita T, et al. *J Antibiot (Tokyo)*. 1994 Feb;47(2):208-15.

Miyake Y, et al. *Biochem Biophys Res Commun*. 1995 Jun 15;211(2):396-403.

Nakamura S, et al. *J Biol Chem*. 1996 Jan 19;271(3):1255-7.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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