

Product Name	: Myriocin
Synonyms	: —
Cat No.	: M21879
CAS Number	: 35891-70-4
Molecular Formula	: C ₂₁ H ₃₉ NO ₆
Formula Weight	: 401.54
Chemical Name	: —
Description	Myriocin, a fungal metabolite isolated from Myriococcum albomyces, Isaria sinclairi and Mycelia sterilia, is a potent inhibitor of serine-palmitoyl-transferase (SPT) and a key enzyme in de novo synthesis of sphingolipids. Myriocin strongly suppresses replication of both the subgenomic HCV-1b replicon and the JFH-1 strain of genotype 2a infectious HCV, with an IC ₅₀ of 3.5 µg/mL for inhibiting HCV infection.
Pathway	: Microbiology/Virology
Target	: HCV
Receptor	: —
Solubility	: DMSO : 5 mg/mL (12.45 mM); ultrasonic and warming and heat to 60°C)
SMILES	: CCCCCC(CCCCC/C=C/C[C@@H](O)[C@H](O)[C@](CO)(N)C(O)=O)=O
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. He Q, et al. Inhibition of serine palmitoyltransferase by myriocin, a natural mycotoxin, causes induction of c-myc in mouse liver. Mycopathologia. 2004 Apr;157(3):339-47. 2. Amemiya F, et al. Targeting lipid metabolism in the treatment of hepatitis C virus infection. J Infect Dis. 2008 Feb 1;197(3):361-70. 3. Ciesek S, et al. The suppressive effect that myriocin has on hepatitis C virus RNA replication is independent of inhibition of serine palmitoyl transferase. J Infect Dis. 2008 Oct 1;198(7):1091-3.