Product Name: Myriocin
Product Number: M045
CAS Number: 35891-70-4
Molecular Formula: C_{21}H_{39}NO_6
Molecular Weight: 401.5
Appearance: Off-white to grey powder
Storage Conditions: -20°C
Description: Myriocin is an α-amino fatty acid derived from several genera of fungi, notably Myriococcum, Melanconis and Isaria. Myriocin is soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.
Mechanism of Action: Myriocin potently inhibits sphingosine biosynthesis by blocking the first enzyme in the pathway, serine palmitoyltransferase. Myriocin induces apoptosis by depleting cellular sphingolipids, inhibits proliferation of IL-2-dependent mouse cytotoxic cells and is a potent immunosuppressant.