

Product Data Sheet

Product Name: Plipastatin A1

Cat. No.: GC91052

Chemical Properties

Cas. No. 103651-09-8

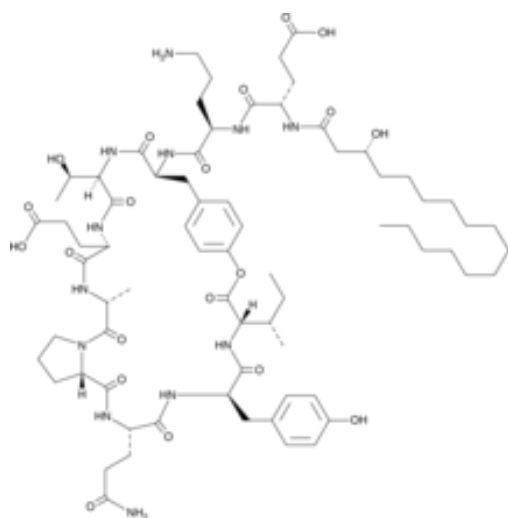
Formula $C_{72}H_{110}N_{12}O_{20}$ M.Wt 1463.7

Solubility DMSO: Soluble, Methanol: Soluble, Water: Soluble Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Plipastatin A1 is a lipopeptide that has been found in *B. cereus* and has enzyme inhibitory and immunosuppressant activities.¹ It inhibits phospholipase A₂ (PLA₂), PLC, and PLD (IC₅₀s = 2.9, 1.3, and 1.4 μM, respectively). Plipastatin A1 (100 μg/ml) inhibits LPS-induced B cell blastogenesis and T cell blastogenesis induced by concanavalin A. *In vivo*, plipastatin A1 (0.1 mg/animal) inhibits delayed-type hypersensitivity in mice.

Caution: Product has not been fully validated for medical applications. For research use only.

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