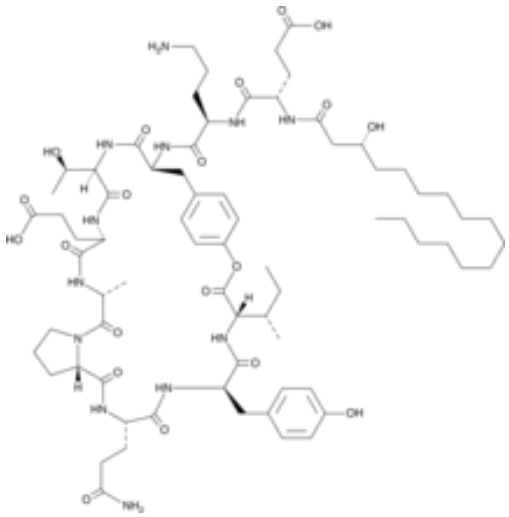
Product Data Sheet

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 A_2 (PLA_2), PLC, and PLD (IC_{50}s = 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 persensitivity in mice.

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