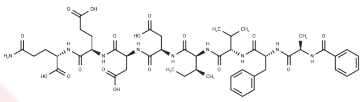
Data Sheet (Cat.No.TP2457)

TargetMol

Lophyrotomin

Chemical Properties



CAS No. : 85932-85-0

Formula: C48H65N9O17

Molecular Weight: 1040.08

Storage: Keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Lophyrotomin is a hepatotoxin isolated from the European Birch sawfly Arge pullata.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9615 mL	4.8073 mL	9.6146 mL
5 mM	0.1923 mL	0.9615 mL	1.9229 mL
10 mM	0.0961 mL	0.4807 mL	0.9615 mL
50 mM	0.0192 mL	0.0961 mL	0.1923 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Chong MW, Wong BS, Lam PK, Shaw GR, Seawright AA. Toxicity and uptake mechanism of cylindrospermopsin and lophyrotomin in primary rat hepatocytes. Toxicon. 2002 Feb;40(2):205-11. PubMed PMID: 11689242.

Daly NL, Atkins AR, Smith R. Solution structure of the toxic octapeptide, lophyrotomin. Int J Pept Protein Res. 1993 Oct;42(4):366-71. PubMed PMID: 8244631.

Kannan R, Oelrichs PB, Thamsborg SM, Williams DH. Identification of the octapeptide lophyrotomin in the European birch sawfly (Arge pullata). Toxicon. 1988;26(2):224-6. PubMed PMID: 3363571.

Oelrichs PB, Vallely PJ, Macleod JK, Cable J, Kiely DE, Summons RE. Lophyrotomin, a new toxic octapeptide from the larvae of sawfly, Lophyrotoma interrupta. Lloydia. 1977 Mar-Apr;40(2):209-14. PubMed PMID: 17805.

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481