



Product Information

Product ID L1983

CAS No. 106884-19-9

Chemical Name

Synonym LMS

Formula $C_{59}H_{84}N_{16}O_{15}$

Formula Wt. 1257.44

Melting Point

Purity $\geq 95\%$

Solubility Soluble in water.

Store Temp $-20^{\circ}C$

Ship Temp Ambient

Description

Leucomyosuppressin is a peptide found in arthropods that exhibits anorexigenic and cardiomodulatory activity. Leucomyosuppressin decreases food intake and weight gain as well as heart rate in vivo. Additionally, leucomyosuppressin is myoinhibitory, inhibiting phasic activity and peristalsis in many muscles.

pGlu-Asp-Val-Asp-His-Val-Phe-
Leu-Arg-Phe-NH₂

Bulk quantities available upon request

Product ID	Size
L1983	0.5 mg
L1983	1 mg
L1983	2.5 mg

References Maestro JL, Tobe SS, Belles X. Leucomyosuppressin modulates cardiac rhythm in the cockroach *Blattella germanica*. *J Insect Physiol.* 2011 Dec;57(12):1677-81. PMID: 21925505.

Matthews HJ, Audsley N, Weaver RJ. In vitro and in vivo effects of myo-active peptides on larvae of the tomato moth *Lacanobia oleracea* and the cotton leaf worm *Spodoptera littoralis* (Lepidoptera; Noctuidae). *Arch Insect Biochem Physiol.* 2008 Oct;69(2):60-9. PMID: 18780345.

Predel R, Rapus J, Eckert M. Myoinhibitory neuropeptides in the American cockroach. *Peptides.* 2001 Feb;22(2):199-208. PMID: 11179813.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.