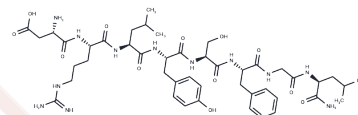


## Allatostatin IV

## Chemical Properties

CAS No. :	123338-13-6
Formula:	C45H68N12O12
Molecular Weight:	969.09
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Allatostatin IV, an octapeptide amine, is a member of the allatostatin family found in insects which either inhibit (allatostatins) or stimulate (allatotropins) juvenile hormone (JH) synthesis.
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## Solubility Information

Solubility	H2O: Soluble, ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0319 mL	5.1595 mL	10.319 mL
5 mM	0.2064 mL	1.0319 mL	2.0638 mL
10 mM	0.1032 mL	0.5159 mL	1.0319 mL
50 mM	0.0206 mL	0.1032 mL	0.2064 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

Stay B, et al. The role of allatostatins in juvenile hormone synthesis in insects and crustaceans. *Annu Rev Entomol.* 2007;52:277-99.

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