

## Allatostatin IV TFA(123338-13-6 free base)

## Chemical Properties

CAS No. :

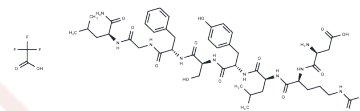
Formula: C47H69F3N12O14

Molecular Weight: 1083.13

Keep away from moisture

Storage: 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	Allatostatin IV TFA, an octapeptide amine, is a member of the allatoregulatory peptide family found in insects which either inhibit (allatostatins) or stimulate (allatotropins) juvenile hormone (JH) synthesis.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 10 mM, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9233 mL	4.6163 mL	9.2325 mL
5 mM	0.1847 mL	0.9233 mL	1.8465 mL
10 mM	0.0923 mL	0.4616 mL	0.9233 mL
50 mM	0.0185 mL	0.0923 mL	0.1847 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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