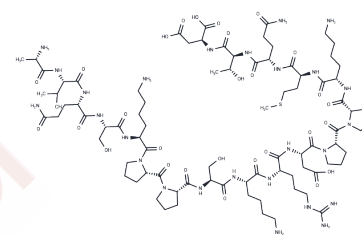


## Systemin

## Chemical Properties

CAS No. :	137181-56-7
Formula:	C <sub>85</sub> H <sub>144</sub> N <sub>26</sub> O <sub>28</sub> S
Molecular Weight:	2010.28
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	Systemin is an 18-amino acid polypeptide with the sequence AVQSKPPSKRDPPKMQTD that is found in Solanaceae plants (such as tomato and potato).
Targets(IC50)	Endogenous Metabolite

## Solubility Information

Solubility	H <sub>2</sub> O: Soluble, ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4974 mL	2.4872 mL	4.9744 mL
5 mM	0.0995 mL	0.4974 mL	0.9949 mL
10 mM	0.0497 mL	0.2487 mL	0.4974 mL
50 mM	0.0099 mL	0.0497 mL	0.0995 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

Ryan CA, et al. Systemin: a polypeptide signal for plant defensive genes. *Annu Rev Cell Dev Biol.* 1998;14:1-17.

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