

Adipokinetic Hormone (AKH) (24-32), locust

Chemical Properties

CAS No.:	53027-55-7
Formula:	C ₅₄ H ₇₄ N ₁₄ O ₁₅
Molecular Weight:	1159.27
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Adipokinetic Hormone (AKH) (24-32), locust is a peptide hormone isolated from locusts.
In vitro	Adipokinetic Hormone (AKH) function is pleiotropic, generally involved in energy metabolism. Adipokinetic Hormone (AKH) increases drosophila mortality elicited by entomopathogenic nematodes and affects drosophila locomotion[1].

Solubility Information

Solubility	H ₂ 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	0.863 mL	4.313 mL	8.626 mL
5 mM	0.173 mL	0.863 mL	1.725 mL
10 mM	0.086 mL	0.431 mL	0.863 mL
50 mM	0.017 mL	0.086 mL	0.173 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Ibrahim E, et al. Adipokinetic hormone and adenosine interfere with nematobacterial infection and locomotion in *Drosophila melanogaster*. *J Insect Physiol.* 2018 Apr 5;107:167-174.

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Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481