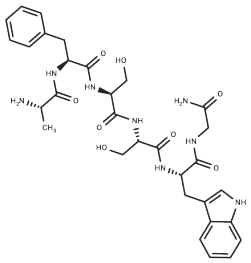
Data Sheet (Cat.No.T32840)

TargetMol

Locustakinin

Chemical Properties



CAS No. : 139602-08-7

Formula: C31H40N8O8

Molecular Weight: 652.70

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	Locustakinin is a myotropic peptide.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5321 mL	7.6605 mL	15.321 mL
5 mM	0.3064 mL	1.5321 mL	3.0642 mL
10 mM	0.1532 mL	0.766 mL	1.5321 mL
50 mM	0.0306 mL	0.1532 mL	0.3064 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

Coast GM. Synergism between diuretic peptides controlling ion and fluid transport in insect malpighian tubules. Regul Pept. 1995 Jun 27;57(3):283-96. PubMed PMID: 7480878.

Schoofs L, Holman GM, Proost P, Van Damme J, Hayes TK, De Loof A. Locustakinin, a novel myotropic peptide from Locusta migratoria, isolation, primary structure and synthesis. Regul Pept. 1992 Jan 2;37(1):49-57. PubMed PMID: 1585017.

Thompson KS, Rayne RC, Gibbon CR, May ST, Patel M, Coast GM, Bacon JP. Cellular colocalization of diuretic peptides in locusts: a potent control mechanism. Peptides. 1995;16(1):95-104. PubMed PMID: 7716080.

Coast GM. The influence of neuropeptides on Malpighian tubule writhing and its significance for excretion. Peptides. 1998;19(3):469-80. PubMed PMID: 9533634.

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