

## Crustacean Cardioactive Peptide Acetate

## Chemical Properties

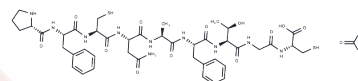
CAS No. :

Formula: C44H62N10O14S2

Molecular Weight: 1019.15

Storage: Keep away from moisture, Store at low temperature  
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	Crustacean Cardioactive Peptide Acetate (CCAP acetate) is the most conserved and ubiquitous neuropeptide in arthropods and is produced in insects by a network of conserved neurons in the ventral nerve cord. Crustacean Cardioactive Peptide Acetate is a cyclic amidated natriuretic peptide hormone commonly found in insects, crustaceans and other arthropods.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9812 mL	4.906 mL	9.8121 mL
5 mM	0.1962 mL	0.9812 mL	1.9624 mL
10 mM	0.0981 mL	0.4906 mL	0.9812 mL
50 mM	0.0196 mL	0.0981 mL	0.1962 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

Suggs JM, et al. CCAP and FMRFamide-like peptides accelerate the contraction rate of the antennal accessory pulsatile organs (auxiliary hearts) of mosquitoes. *J Exp Biol.* 2016;219(Pt 15):2388-2395.

Moris-Sanz M, et al. The study of the Bithorax-complex genes in patterning CCAP neurons reveals a temporal control of neuronal differentiation by Abd-B. *Biol Open.* 2015;4(9):1132-1142.

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