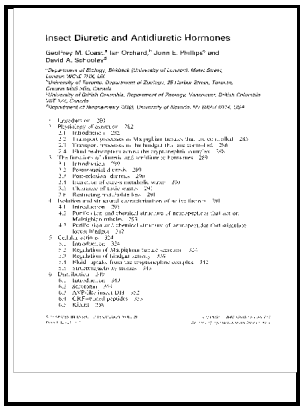
Structure and function of primary messengers in invertebrates - insect diuretic and antidiuretic peptides

Karger - Structure and Function of Primary Messengers in Invertebrates: Insect Diuretic and Antidiuretic Peptides (Molecular Comparative Physiology, Vol. 12): Beyenbach, K.W., Kinne, R.K.H., Kinne


Insect Diuretic and Antidiuretic Hormones

Description: -
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Peptides -- physiology.
Insects -- chemistry.
Diuretics -- chemistry.
Insect biochemistry.
Diuretics.
Insect hormones.
Peptide hormones.Structure and function of primary messengers in invertebrates - insect diuretic and antidiuretic peptides
-
vol. 12
Molecular comparative physiology ;Structure and function of primary messengers in invertebrates - insect diuretic and antidiuretic peptides
Notes: Includes bibliographical references and index.
This edition was published in 1993

Filesize: 68.51 MB

Tags: #Structure #and #Function #of #Primary #Messengers #in #Invertebrates: #Insect #Diuretic #and #Antidiuretic #Peptides: #12 #(Molecular #Comparative #Physiology): #Amazon.mikhmon.us.to: #Beyenbach, #K.W., #Kinne, #R.K.H., #Kinne

Structure and Function of Primary Messengers in Invertebrates: Insect Diuretic and Antidiuretic Peptides by K.W. Beyenbach, R.K.H. Kinne

However, such information in insect systems is quite limited. Two controls were used for each experiment: Mas-DH in saline without Mt, and Mt in saline without Mas-DH.

Structure and Function of Primary Messengers in Invertebrates: Insect Diuretic and Antidiuretic Peptides: 12 (Molecular Comparative Physiology): Amazon.mikhmon.us.to: Beyenbach, K.W., Kinne, R.K.H., Kinne

Invertebrate Reproduction and Development 18, 110. CHARACTERIZATION Primary structure Before 1980, only six intertebrate neuropeptides, each one smaller than 36 amino acids, were sequenced.

Insect diuretic hormones

Princeton, NJ: Princeton University Press. Field studies on imposex and organotin accumulation in the rock shell, Thais clavigera, from the Seto Inland Sea and the Sanriku region, Japan. Functional ecdysone receptor is the product of EcR and ultraspiracle gene.

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. Finally, the effects of magnetic fields on living systems and of low-frequency electromagnetic fields on cell metabolism are also considered.

Insect diuretic hormones

Journal of Biochemical Toxicology 8, 83-8. This is intuitively satisfying, because if hemolymph were to play a major role in degradation of DH, the hormone released from the neurohemal regions might have difficulty reaching its target receptors intact and biologically active. Functions of diuretic and antidiuretic hormones include: postprandial diuresis, , excretion of excess metabolic water, clearance of toxic wastes and restricting loss Coast et al.

Isolation and Identification of a Second Diuretic Hormone from Tenebrio molitor

Ecotoxicology and Environmental Safety 31, 69-75. These chemical messengers should be relatively short-lived, so that hormonal stimulation of diuresis or antidiuresis occurs only to restore homeostasis.

Insect Diuretic Peptides: Structures, Evolution and Actions on JSTOR

Genes and Development 12, 3195-205. General and Comparative Endocrinology 65, 432-8.

Insect diuretic hormones

Proctolin , and pheromone biosynthesis-activating neuropeptide are degraded by metalloproteases in different insect tissues.

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