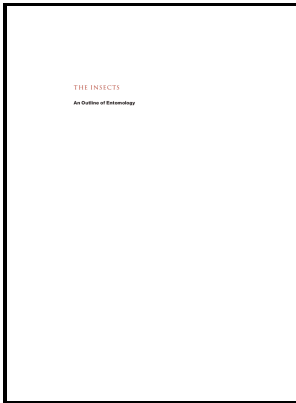


Structure and function of primary messengers in invertebrates - insect diuretic and antidiuretic peptides

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



Description: -

-

Peptides -- physiology.

Insects -- chemistry.

Diuretics -- chemistry.

Insect biochemistry.

Diuretics.

Insect hormones.

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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



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Tags: #Insect #diuretic #hormones

Molecular Approaches To Study Invertebrate Hormones, With Particular Reference To Insects, Netherlands Journal of Zoology (in 2003 continued as Animal Biology)

Koolman ed Ecdysone, from Chemistry to Mode of Action, pp. The chapters which follow discuss the structure and function of other diuretic and antidiuretic peptides that have been isolated to date. Samples were diluted with 5 vol of solvent A, loaded onto a 1 × 10 mm peptide trap cartridge Michrom, and rinsed with 1 ml of solvent A before beginning the gradient.

The isolation and identification of three diuretic kinins from the abdominal ventral nerve cord of adult *Helicoverpa zea*

North York, Canada: Captus University Publications.

Insect Diuretic Peptides: Structures, Evolution and Actions on JSTOR

Both peptidic and lipidic hormones have been found in invertebrates, just as in vertebrates.

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

Some of these cleavages at this high Mas-DH concentration 40 μM are likely due to proteases with low specificity for Mas-DH. New Delhi: Oxford and IBH Publishing Co. HPLC grade CH 3CN was from EM Science.

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CHARACTERIZATION Primary structure Before 1980, only six invertebrate neuropeptides, each one smaller than 36 amino acids, were sequenced. A study of the related lepidopteran *Trichoplusia ni* showed that catalase activity is completely absent from some tissues, including hemolymph and Mt, whereas SOD activity is relatively high in the same tissues.

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

Invertebrate peptide hormones are produced in large numbers by the nervous system. There are several possible sources of reactive oxygen species in Mt. Isolated tubules continue to secrete for many hours, and because the Ramsay assay is fairly easy to perform, many peptides are tested using this method.

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The complex is only present in lepidopteran larvae and some beetle species. Nova Acta Leopoldina NF56, 437-52.

Insect diuretic hormones

Molecular Approaches To Study Invertebrate Hormones, With Particular Reference To Insects. This project was supported by National Institutes of Health Grant GM48172.

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