

Neuropeptide Systems As Targets For Parasite And Pest Control

[DOWNLOAD HERE](#)

1;Title Page;3 2;Copyright Page;4 3;PREFACE;5 4;ABOUT THE EDITORS...;7 5;ABOUT THE EDITORS...;8 6;PARTICIPANTS;9 7;Table of Contents;12 8;Chapter 1 Receptor-Based Discovery Strategiesfor Insecticides and Parasiticides:A Review;16 8.1;Introduction;16 8.2;Mechanistic Receptor-Based Screens;18 8.3;Selection of Compounds for Screening;20 8.4; Hit-to-Lead : Converting a Mechanistic Screen Active into a Lead Molecule;21 8.5;Lead-to-Candidate: Identification of Molecules for Progression to Market;22 8.6;Conclusion and Discussion;23 8.7;References;23 9;Chapter 2 Nonpeptide Ligands for PeptidergicG Protein-Coupled Receptors;25 9.1;Introduction;25 9.2;Druggable Targets in Neuropeptidergic Signaling;26 9.3;Neuropeptide-Targeted Drugs: Basic Features;27 9.3.1;Peptides as Drugs;27 9.3.2;Interference with Peptide Production or Stability;28 9.3.3;Drug-Receptor Interactions;28 9.4;Historical Perspectives;30 9.5;Screening for Novel Nonpeptide Ligands;31 9.6;Discovery of Novel Nonpeptide Ligands through Screening;32 9.6.1;Complicating Issues: Subtype- and Species-Specificity;33 9.6.2;Complicating Issues: Pharmacology of Agonists and Antagonists;34 9.7;Design;35 9.8;Current Status;35 9.9;Applications in Invertebrate Systems: General Considerations;35 9.9.1;Screening Targets: GPCRs;36 9.9.2;Screening Targets: Peptide Processing;38 9.9.3;What to Screen;38 9.10;Conclusion;39 9.11;References;39 10;Chapter 3 Interaction of Mimetic Analogsof Insect Kinin Neuropeptideswith Arthropod Receptors;42 10.1;Introduction;42 10.2;Functional Analysis of Arthropod Receptors Selective for Insect Kinins;43 10.3;Chemical, Conformational and Stereochemical Aspects of Receptor Interaction;44 10.4;Interaction of Biostable Insect Kinin Analogs with Receptors and Activity in In Vitro and In Vivo Bioassays;47 10.5;C-Terminal Aldehyde Analogs of Insect Kinins;51 10.5.1;H. Zea Larval Weight Gain Inhibition Bioassay;52 10.5.2;In Vitro and In Vivo Housefly Diuretic Bioassays;52 10.6;Nonpeptide Mimetic Agonists/Antagonists of Expressed Insect Kinin Receptors;56 10.7;Prospects for Enhanced Topical and/or Oral Bioavailability;57 10.7.1;Topical Activity;57 10.7.2;Oral Activity;58 10.8;Conclusion;60 10.9;References;61 11;Chapter 4 Neuropeptides in Helminths:Occurrence and Distribution;64 11.1;Introduction;64 11.2;Nematode Neuropeptides;66 11.2.1;Nematode FMR

Famide-Like Peptides (FLPs);66 11.2.2;Nematode FLP Distribution/Expression;70 11.2.3;Nematode Insulin-Like Peptides (INSs);72 11.2.4;Nematode INS Distribution/Expression;72 11.2.5;Nematode Neuropeptide-Like Proteins (NLPs);76 11.2.6;Nematode NLP Distribution/Expression;80 11.3;Platyhelminth Neuropeptides;81 11.3.1;Platyhelminth Neuropeptide F (NPF);81 11.3.2;Platyhelminth NPF Distribution/Expression;82 11.3.3;Platyhelminth FMRFamide-Like Peptides (FLPs);82 11.3.4;Platyhelminth FLP Distribution/Expression;84 11.4;Targets for Parasite Control;85 11.5;Conclusion;85 11.6;Note Added in Proof;86 11.7;References;87 12;Chapter 5 Neuropeptide Physiology in Helminths;93 12.1;Introduction;93 12.2;Neuropeptide Function in Nematodes;94 12.2.1;FLP Function in Control and Modulation of Somatic Body Wall;94 12.2.2;FLP Function in Reproductive Muscle Control *Ascaris suum*;96 12.2.3;FLP Function in Pharyngeal Muscle Control *Ascaris suum* and *Caenorhabditis elegans*;97 12.2.4;FLP Effects on Motorneuron Activity *Ascaris suum*;99 12.2.5;FLP Effects on Second Messenger Systems *Ascaris suum* and *Ascaridida galli*;100 12.2.6;FLP Function in Behaviour, Locomotion and Body Posture *Ascaris suum*;101 12.2.7;FLP Function Determined by Gene Knockout Studies *Caenorhabditis elegans*;102 12.2.8;FLP Function Determined by RNA Interference Studies *Globodera pallida* and *Caenorhabditis elegans*;103 12.2.9;NLP Function in Nematodes: Introduction;104 12.2.10;NLP Function in Control and Modulation of Somatic Body Wall and Reproductive Muscle *Ascaris suum*;104 12.2.11;NLP Function in Behaviour, Locomo EAN/ISBN : 9781441969026
Publisher(s): Springer, Berlin, Landes Bioscience Discussed keywords: Neuropeptide, Parasiten Format: ePub/PDF Author(s): Geary, Timothy G. - Maule, Aaron

[DOWNLOAD HERE](#)

Similar manuals:

[Neuropeptide Systems As Targets For Parasite And Pest Control](#)

[Neuropeptides And Other Bioactive Peptides: From Discovery To Function - Lloyd D. Fricker](#)

[Ichritu - Der Film Babel: Filmisch, Literarisch, Narrativ: Zwischen Engeln Und Parasiten, Zwischen Sprache Und Stille - Annemarie Binkowski](#)

[MP3 Deedee Huntington - Neuropeptide Blues](#)