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Nota di contenuto	Front Cover; Nociceptin Opioid; Copyright; Contents; Contributors; Preface; Chapter 1: Helix-Constrained Nociceptin Peptides Are Potent Agonists and Antagonists of ORL-1 and Nociception; 1. Nociception in Brief; 1.1. Opioid receptor-like receptor-ORL-1; 1.2. Nociceptin; 1.3. Interrogating the activation and address domains of nociceptin(1-17); 2. Prospecting the Importance of the N-Terminal Tetrapeptide of Nociceptin(1-17); 3. Other Modifications to Nociceptin(1-17); 4. The Importance of Structure in Nociceptin Analogues; 4.1. Importance of helicity; 4.2. Other nociceptin derivatives 5. Recent Advances in ORL-1 Active Nociceptin Peptides6. The Development of New Helix-Constrained Nociceptin Analogues; 6.1. Design of helix-constrained nociceptin analogues; 6.2. Helical structure of nociceptin(1-17)-NH2 analogues in water; 6.3. Nuclear magnetic resonance spectra-derived structures; 7. Biological Properties of Helical Nociceptin Mimetics; 7.1. Cellular expression of ORL-1 and ERK phosphorylation; 7.2. Agonist and antagonist activity of nociceptin(1-17)-NH2 and analogues; 7.3. Effects of helical constraint on biological activity in Neuro-2a cells

7.4. Stability and cell toxicity of helix-constrained versus unconstrained peptides  
7.5. In vivo activity of helix-constrained versus unconstrained nociceptin analogues; 8. Concluding Remarks; References; Chapter 2: Bioinformatics and Evolution of Vertebrate Nociceptin and Opioid Receptors; 1. Introduction; 1.1. The origin of G protein-coupled receptors; 1.2. A brief history of opioid receptors; 1.3. Evidence for opioid receptors in nonmammalian vertebrates; 2. The Vertebrate Opioid Receptor Sequence Database; 2.1. Alignment of protein sequences  
2.2. Phylogenetic analysis of vertebrate opioid receptors  
2.3. Divergence and convergence of opioid receptor types; 3. The Human Genome and the Evolution of Opioid Receptors; 3.1. Duplicated opioid family receptor genes in the human genome; 3.2. Variation in human opioid receptor genes; 4. The Molecular Evolution of Vertebrate Opioid Family Receptors; 5. Future Directions; 6. Conclusions; Acknowledgments; References; Chapter 3: Ancestral Vertebrate Complexity of the Opioid System; 1. Introduction; 2. Opioid Peptide Family; 3. Opioid Receptor Family  
4. Discussion: Complexity, Coevolution, and Divergence  
5. Conclusions; Acknowledgement; References; Chapter 4: Synthesis and Biological Activity of Small Peptides as NOP and Opioid Receptors' Ligands: View on Current Devel...; 1. Introduction; 2. Endogenous Opioid Peptides and Receptors: Nociceptin and NOP Receptor Ligands; 3. Hexapeptides with NOP Receptor Affinity; 4. Solid-Phase Peptide Synthesis; 5. Conclusions; Acknowledgment; References; Chapter 5: Pain Regulation by Nocistatin-Targeting Molecules: G Protein-Coupled-Receptor and Nocistatin-Interacting Protein; 1. Introduction  
2. Biological Activity by NST Through G Protein-Coupled Receptor

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Sommario/riassunto

First published in 1943, Vitamins and Hormones is the longest-running serial published by Academic Press. The Series provides up-to-date information on vitamin and hormone research spanning data from molecular biology to the clinic. A volume can focus on a single molecule or on a disease that is related to vitamins or hormones. A hormone is interpreted broadly so that related substances, such as transmitters, cytokines, growth factors and others can be reviewed. This volume focuses on nociceptin opioid. Key features: Expertise of the contributors  
Coverage of a vast array of subjects

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2. Record Nr.	UNINA9910686768003321
Autore	Zhang Wei
Titolo	Taming the Wild Horse of Shadow Education : The Global Expansion of Private Tutoring and Regulatory Responses
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Nota di contenuto	Part I: A global framework -- Conceptual framework -- What needs to be regulated, why and how? -- Part II: Five country studies -- Japan: Changing dynamics of regulation and self-regulation -- China: Strong state confronting strong market -- India: Diversity in a decentralised system -- Egypt: Teachers as tutors -- Denmark: Students as tutors -- Part III: Conclusions -- Learning from comparing.
Sommario/riassunto	Zhang analyses the phenomenon of private supplementary tutoring from a global perspective, juxtaposing countries with strong regulations with counterparts having weak or no regulations.