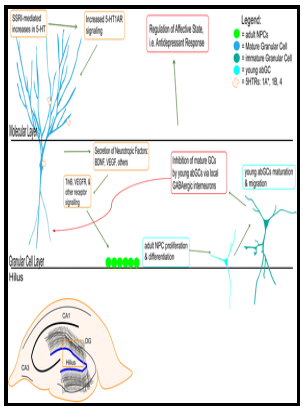
Serotonin receptor subtypes - basic and clinical aspects

Wiley-Liss - Serotonin Receptor Subtypes Basic And Clinical Aspects PDF Book



Description: -
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Receptors, Serotonin -- physiology.
Serotonin -- Receptors.Serotonin receptor subtypes - basic and clinical aspects
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Landmarks of science
v. 15
Receptor biochemistry and methodology ;Serotonin receptor subtypes - basic and clinical aspects
Notes: Includes bibliographical references and index.
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Tags: #Serotonin #and #Sleep: #Molecular, #Functional #and #Clinical #Aspects

Serotonin and Sleep: Molecular, Functional and Clinical Aspects

Studies of specific antagonists and agonists of these receptors, alone and together with D 2 receptor antagonists and dopaminomimetic agents such as L-DOPA, amphetamine, and others will help to clarify their importance. Serotonin 5-hydroxytryptamine 5-HT first isolated as a vasoconstrictor from blood was later identified in the central nervous system CNS.

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The mechanism whereby 5-HT 2B activation regulates ErbB-2 expression is currently under investigation in our lab. Thank you for visiting nature. Stimulation of phosphoinositide turnover by 5-HT in these tissues is not dependent on the activity of lipoxygenase or cyclooxygenase pathways, nor is it blocked by agents that inhibit neuronal firing, suggesting that coupling of the 5-HT 2A or 5-HT 2C receptor to the enzyme mediates the enhanced response see Chap.

Mechanism of action of 8

Electron microscopy and histological experiments were performed as described. Serotonin and Sleep: Molecular, Functional, and Clinical Aspects covers the complete spectrum of the field and explores the link between the latest basic molecular, functional, and clinical aspects of serotonin and the practice of sleep medicine.

Circadian control by serotonin and melatonin receptors: Clinical relevance

Following the lesioning of serotonergic neurons with neurotoxin, 2C receptor-mediated phosphoinositide hydrolysis in choroid plexus is increased, indicating that these receptors undergo denervation supersensitivity. It has been termed the 5-HT 1P receptor as it has a high affinity for 5-HT and is found in the periphery. Because of the lack of specific radioligands for the 5-ht 1E receptor, the overall distribution in brain is unknown.

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