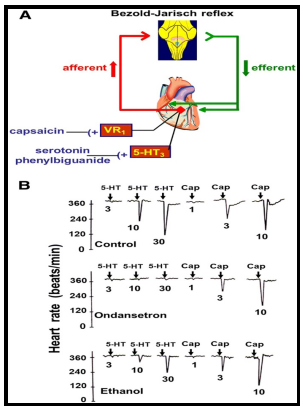
Serotonin receptor subtypes - basic and clinical aspects

Wiley-Liss - Multiple serotonin receptors: clinical and experimental aspects



Description: -
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Serotonin Receptors

Recent interest in the role of serotonin 5-HT in antipsychotic drug action is based mainly upon the fact that antipsychotic drugs such as clozapine, olanzapine, quetiapine, risperidone, sertindole, and ziprasidone are potent 5-HT 2a receptor antagonists and relatively weaker dopamine D 2 antagonists. The highly selective 5-HT 2a antagonist, M100907, formerly MDL 100907, has been found in a controlled study to have some efficacy for treating positive and negative symptoms in hospitalized schizophrenic patients.

Serotonin Involvement in Plasticity of the Visual Cortex

The development of potent and selective antagonists of the 5-HT 2 receptor, such as ketanserin, facilitated the assignment of certain effects mediated by 5-HT to the 5-HT 2 receptor. Serotonin 5-hydroxytryptamine; 5-HT has been implicated in a large number of psychophysiologic processes including the regulation of sleep, appetite, mood, aggression, perception, memory, and anxiety. D in chemistry from Osmania University, India, Dr.

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A report indicated that 5-HT may regulate proliferation in the embryonic heart.

Serotonin and sleep: molecular, functional and clinical aspects

However, the classification of these receptors remains tentative due to limited knowledge of their operational and tranductional characteristics, which have only been described in transfected cell systems for these recombinant receptors.

The Role of Serotonin in Antipsychotic Drug Action

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Announcement, Psychopharmacology

Thus, it appears that neither the 5-HT 2A receptor nor its second-messenger pathway is regulated by a decrease in neurotransmitter exposure.

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