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Ziprasidone

National Cancer Institute

Source

National Cancer Institute. *Ziprasidone*. NCI Thesaurus. Code C47788.

A benzothiazolylpiperazine derivative and an atypical antipsychotic agent with an antischizophrenic property. Ziprasidone functions as an antagonist at the dopamine D2 and serotonin 5-HT2A and 5-HT1D receptors, and as an agonist at the 5-HT1A receptor. Ziprasidone also inhibits the synaptic reuptake of serotonin and norepinephrine. The mechanism of action by which ziprasidone exerts its antischizophrenic effect is unknown but is potentially mediated through a combination of dopamine D2 and serotonin 5-HT2 antagonism. This agent also has antagonistic activity against histamine H1 and alpha-1-adrenergic receptors.