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# Ziprasidone Hydrochloride

National Cancer Institute

## Source

National Cancer Institute. *Ziprasidone Hydrochloride*. NCI Thesaurus. Code C48031.

The hydrochloride salt form of ziprasidone, a benzothiazolylpiperazine derivative and an atypical antipsychotic agent with an antischizophrenic property. Ziprasidone hydrochloride functions as an antagonist at the dopamine D2 and serotonin 5-HT<sub>2A</sub> and 5-HT<sub>1D</sub> receptors, and as an agonist at the 5-HT<sub>1A</sub> receptor. Ziprasidone hydrochloride also inhibits synaptic reuptake of serotonin and norepinephrine. The mechanism of action by which ziprasidone hydrochloride exerts its antischizophrenic effect is unknown but is potentially mediated through a combination of dopamine D2 and serotonin 5-HT<sub>2</sub> antagonism. This agent also has antagonistic activity against histamine H<sub>1</sub> and alpha-1-adrenergic receptors.