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# Risperidone

National Cancer Institute

## Source

National Cancer Institute. *Risperidone*. NCI Thesaurus. Code C29416.

A benzisoxazole derivative with antipsychotic property. Risperidone selectively antagonizes serotonin (5-HT) effects via cortical 5-HT<sub>2</sub> receptor, and, to a lesser extent, competes with dopamine at the limbic dopamine D<sub>2</sub> receptor. The antagonism leads to decreased psychotic effects, such as hallucinations and delusions. In addition, risperidone has low to moderate affinity for histamine H<sub>1</sub>, 5-HT<sub>1A</sub>, 5-HT<sub>1C</sub>, and 5-HT<sub>1D</sub> receptors, while it has weak affinity for dopamine D<sub>1</sub> and haloperidol-sensitive sigma site receptors.