Quetiapine Fumarate

National Cancer Institute

Source

The fumarate salt form of quetiapine, a dibenzothiazepine derivative with antipsychotic property. Quetiapine fumarate antagonizes serotonin activity mediated by 5-HT 1A and 5-HT2 receptors. With a lower affinity, this agent also reversibly binds to dopamine D1 and D2 receptors in the mesolimbic and mesocortical areas of the brain leading to decreased psychotic effects, such as hallucinations and delusions. In addition, quetiapine fumarate also binds to other alpha-1, alpha-2 adrenergic and histamine H1 receptors.