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Quetiapine Fumarate

National Cancer Institute

Source

National Cancer Institute. *Quetiapine Fumarate*. NCI Thesaurus. Code C47700.

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.