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# Cabergoline

National Cancer Institute

## Source

National Cancer Institute. *Cabergoline*. NCI Thesaurus. Code C47428.

A synthetic ergoline derivative and a long-acting dopamine receptor agonist with high affinity for the dopamine D2 receptor. Cabergoline exerts an inhibitory effect on prolactin secretion by acting on dopamine receptors present in pituitary lactotrophs. This drug also binds to dopamine D2 receptors in the corpus striatum, thereby mimicking the actions of dopamine on motor control. Cabergoline also possesses antioxidant and neuroprotective properties due to its free radical scavenging activity. Cabergoline is used in the treatment of Parkinson's disease and in the treatment of hyperprolactinemia.