

[Open Peer Review on Qeios](#)

Pargyline Hydrochloride

National Cancer Institute

Source

National Cancer Institute. *Pargyline Hydrochloride*. NCI Thesaurus. Code C66323.

The hydrochloride salt form of pargyline, a monoamine oxidase (MAO) inhibitor with antidepressant activity. Pargyline selectively inhibits MAO type B, an enzyme catalyzing the oxidative deamination and inactivation of certain catecholamines, such as norepinephrine and dopamine, within the presynaptic nerve terminals. By inhibiting the metabolism of these biogenic amines in the brain, pargyline increases their concentration and binding to postsynaptic receptors. Increased receptor stimulation may cause downregulation of central receptors which may attribute to pargyline's antidepressant effect.