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# Protriptyline Hydrochloride

National Cancer Institute

## Source

National Cancer Institute. *Protriptyline Hydrochloride*. NCI Thesaurus. Code C47695.

The hydrochloride salt form of protriptyline, a tricyclic secondary amine with antidepressant property. Protriptyline hydrochloride blocks the re-uptake of norepinephrine and serotonin by nerve terminals, thereby increasing available norepinephrine and serotonin. Protriptyline does not block dopamine transport but may have an indirect dopamine-facilitating effect through interactions of increased perisynaptic abundance of norepinephrine, particularly in the cerebral cortex, where adrenergic terminals exceed dopaminergic terminals. This results in elevation of mood and behavioral activity. In addition, this agent exhibits anticholinergic activity.