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# Chlorpromazine Hydrochloride

National Cancer Institute

## Source

National Cancer Institute. *Chlorpromazine Hydrochloride*. NCI Thesaurus. Code C47975.

The hydrochloride salt form of chlorpromazine, a phenothiazine and traditional antipsychotic agent with anti-emetic activity. Chlorpromazine hydrochloride exerts its antipsychotic effect by blocking postsynaptic dopamine receptors in cortical and limbic areas of the brain, thereby preventing the excess of dopamine in the brain. This leads to a reduction in psychotic symptoms, such as hallucinations and delusions. Chlorpromazine hydrochloride appears to exert its anti-emetic activity by blocking the dopamine receptors in the chemical trigger zone (CTZ) in the brain, thereby relieving nausea and vomiting.