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Methyldopate Hydrochloride

National Cancer Institute

Source

National Cancer Institute. *Methyldopate Hydrochloride*. NCI Thesaurus. Code C47617.

The hydrochloride salt form of methyldopa, a phenylalanine derivate and aromatic amino acid decarboxylase inhibitor with antihypertensive activity. Methyldopa is a prodrug and is metabolized in the central nervous system. The antihypertensive action of methyldopa seems to be attributable to its conversion into alpha-methylnorepinephrine, which is a potent alpha-2 adrenergic agonist that binds to and stimulates potent central inhibitory alpha-2 adrenergic receptors. This results in a decrease in sympathetic outflow and decreased blood pressure.