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Midazolam Hydrochloride

National Cancer Institute

Source

National Cancer Institute. *Midazolam Hydrochloride*. NCI Thesaurus. Code C654.

The hydrochloride salt of a short-acting benzodiazepine derivative with an imidazole structure and anxiolytic, amnestic, hypnotic, anticonvulsant and sedative properties. Midazolam binds to the benzodiazepine receptor at the gamma-aminobutyric acid (GABA) receptor-chloride ionophore complex in the central nervous system (CNS), resulting in increases in the opening of chloride channels, membrane hyperpolarization, and the inhibitory effect of GABA. This agent may also interfere with the reuptake of GABA, thereby causing accumulation of GABA in the synaptic cleft.