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Aprepitant

National Cancer Institute

Source

National Cancer Institute. *Aprepitant*. NCI Thesaurus. Code C49173.

A small molecule, high-affinity substance P antagonist (SPA) with antiemetic activity. Crossing the blood brain barrier, aprepitant binds selectively to the human substance P/neurokinin 1 receptor in the central nervous system (CNS), thereby inhibiting receptor binding of endogenous substance P and substance P-induced emesis. This agent has little or no affinity for serotonin type 3 (5-HT₃), dopamine, and corticosteroid receptors.