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Granisetron Hydrochloride Nasal Spray

National Cancer Institute

Source

National Cancer Institute. *Granisetron Hydrochloride Nasal Spray*. NCI Thesaurus. Code C124052.

An intranasal formulation containing the hydrochloride salt form of the indazole derivative granisetron, a selective serotonin (5-hydroxytryptamine; 5-HT) receptor antagonist, with antinauseant and antiemetic activities. Upon administration to the nostril, granisetron selectively binds to and inhibits 5-HT subtype 3 receptors (5-HT_{3R}) located peripherally on vagus nerve terminals and centrally in the chemoreceptor trigger zone (CTZ) of the area postrema, which may result in suppression of chemotherapy-induced nausea and vomiting (CINV).