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Ondansetron Hydrochloride

National Cancer Institute

Source

National Cancer Institute. *Ondansetron Hydrochloride*. NCI Thesaurus. Code C48007.

The hydrochloride salt of the racemic form of ondansetron, a carbazole derivative and a selective, competitive serotonin 5-hydroxytryptamine type 3 (5-HT₃) receptor antagonist with antiemetic activity. Although its mechanism of action has not been fully characterized, ondansetron appears to competitively block the action of serotonin at 5HT₃ receptors peripherally in the gastrointestinal tract as well as centrally in the area postrema of the CNS, where the chemoreceptor trigger zone (CTZ) for vomiting is located, resulting in the suppression of chemotherapy- and radiotherapy-induced nausea and vomiting.