## Granisetron

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Brand name: Sancuso®

IUPAC: 1-methyl-N-(9-methyl-9-azabicyclo[3.3.1]nonan-7-yl)indazole-3-carboxamide

FDA approval: Yes Manufacturer Link

Usage:

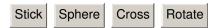
Granisetron is used to the prevent nausea and vomiting associated withcytotoxic effects of chemotherapy. Granisetron is administered in pill form or as in injection. 1

1Sancuso. 2016. http://www.sancuso.com/patient/understanding-cinv/index.html

## Mechanism:

Granisetron is a 5-HT3 receptor antagonist, which is used to inhibit nauseous responses caused bychemotherapy. It has a strong affinity for this receptor and little for any other type and by blocking this receptor, granisetron prevents the the vomiting reflex.1

The diagram below shows the 3D molecular structure for Granisetron.



1Granisetron. MedlinePlus. https://medlineplus.gov/druginfo/meds/a601211.html

## Side effects:

The most common side effects associated with the use of Granisetron include headache, stomach pain, heartburn, constipation and trouble sleeping.1

• 1 Granisetron. Medline Plus. https://medline plus.gov/druginfo/meds/a601211.html