

## Aprepitant



PLAY PICMONIC

### Mechanism

#### Substance P Antagonist

##### [Substance P Ant-toga](#)

Aprepitant is a substance P antagonist. This drug blocks the interaction of substance P to bind neurokinin type 1 receptors. It will cause an antiemetic effect.

#### Inhibits NK1 (Neurokinin-1) Receptors in Brain

##### [Inhibiting-chains Neuron-K-\(1\) Wand Receptor in Brain](#)

Aprepitant works by blocking substance P to bind neurokinin type 1 receptors.

### Clinical Use

#### Antiemetic

##### [Ant-tie-medic](#)

Aprepitant is used as an antiemetic agent due to its action on the neurotransmitter substance P/NK1 receptor that contributes to the pathogenesis of chemotherapy-induced nausea and vomiting. It also can be used to prevent postoperative nausea and vomiting (PONV) in adults.

#### Chemotherapy-induced Nausea and Vomiting

##### [Chemo-head-wrap Vomiting](#)

Aprepitant and steroids can be used as prophylaxis for delayed chemotherapy-induced nausea and vomiting. On the other hand, acute chemotherapy-induced nausea and vomiting are commonly treated with 5-HT3 antagonists and a corticosteroids. Nevertheless, aprepitant can be used on both conditions.

### Side Effects

#### Fatigue

##### [Sleepy-guy](#)

Fatigue is one of the most common side effects of Aprepitant.

## **Diarrhea**

### Toilet

Diarrhea is one of the most common side effects present from Aprepitant.

## **Constipation**

### Corked Con-toilet

Constipation is the most common side effect in adult patients taking Aprepitant to prevent postoperative nausea and vomiting (PONV).

## **Headache**

### Head-egg-lump

Headache can occur as a side effect of Aprepitant.

## **Anorexia**

### Anorexic-rex

Anorexia is one of the most common side effects of Aprepitant.