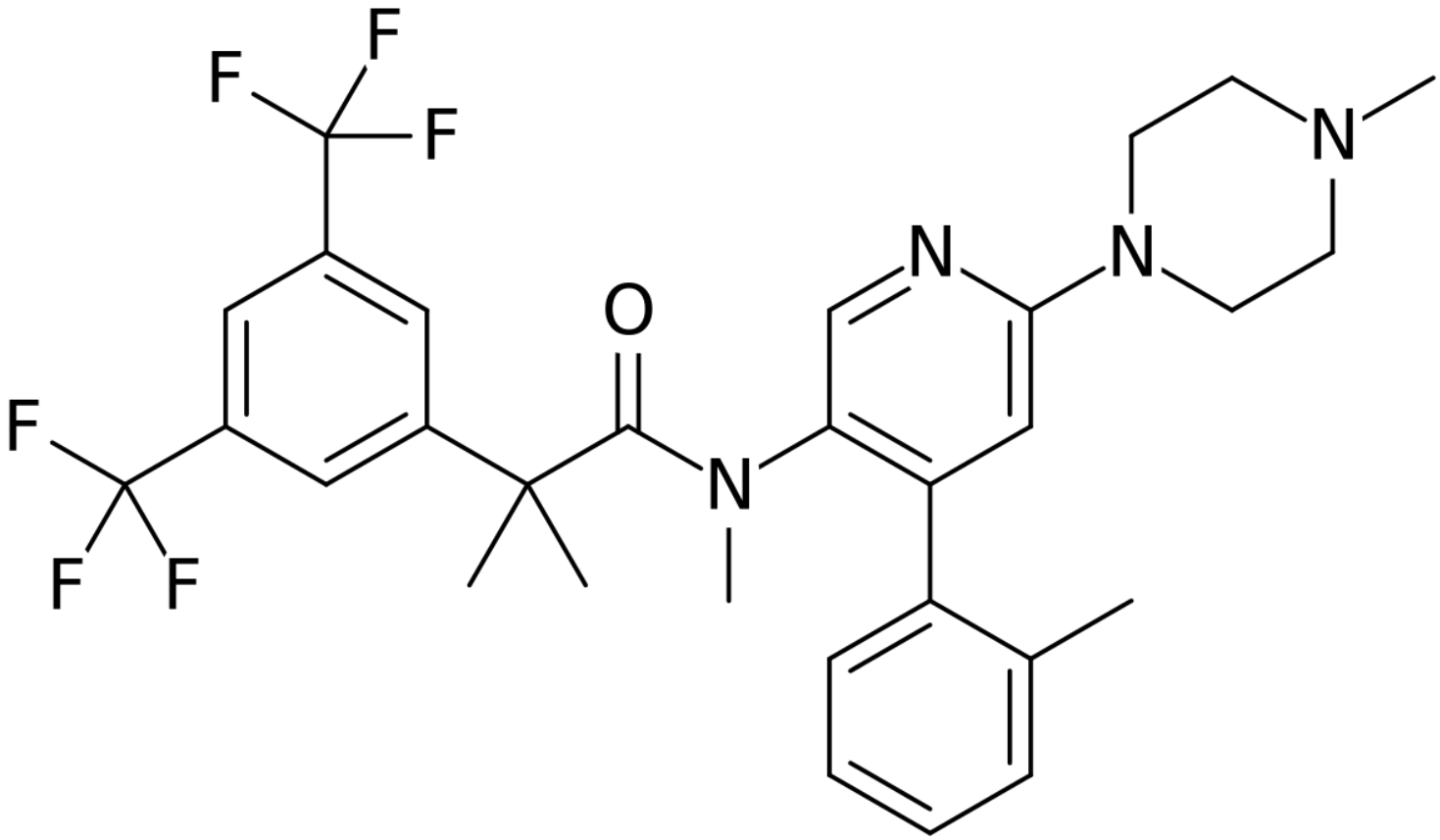
Netupitant/Palonosetron

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Brand name: Akynzeo®
IUPAC: 2-[3,5-bis(trifluoromethyl)phenyl]-N,2-dimethyl-N-[4-(2-methylphenyl)-6-(4-methylpiperazin-1-yl)pyridin-3-yl]propanamide
FDA approval: Yes
Enlace del fabricante
Usage:

Take this medication by mouth with or without food as directed by your doctor, usually 1 hour before the start of chemotherapy.

Mechanism:

AKYNZEO is indicated for the prevention of acute and delayed nausea and vomiting associated with initial and repeat courses of cancer chemotherapy, including, but not limited to, highly emetogenic chemotherapy. AKYNZEO is an oral fixed combination of palonosetron and netupitant: palonosetron prevents nausea and vomiting during the acute phase and netupitant prevents nausea and vomiting during both the acute and delayed phase after cancer chemotherapy.

Akynzeo is a fixed combination capsule comprised of two drugs. Oral palonosetron, approved in 2008, prevents nausea and vomiting during the acute phase (within the first 24 hours) after the start of cancer chemotherapy. Netupitant, a new drug, prevents nausea and vomiting during both the acute phase and delayed phase (from 25 to 120 hours) after the start of cancer chemotherapy.

Akynzeo’s effectiveness was established in two clinical trials of 1,720 participants receiving cancer chemotherapy. Participants were randomly assigned to receive Akynzeo or oral palonosetron. The trials were designed to measure whether the study drugs prevented any vomiting episodes in the acute, delayed and overall phases after the start of cancer chemotherapy.

Results of the first trial showed that 98.5 percent, 90.4 percent and 89.6 percent of Akynzeo-treated participants did not experience any vomiting or require rescue medication for nausea during the acute, delayed and overall phases, respectively. In contrast, 89.7 percent, 80.1 percent and 76.5 percent of participants treated with oral palonosetron did not experience any vomiting or require rescue medication for nausea during the acute, delayed and overall phases, respectively. The second trial showed similar results.

Side effects:

Common side effects of Akynzeo in the clinical trials were headache, weakness (asthenia), fatigue, indigestion (dyspepsia) and constipation.