**GRANISETRON HYDROCHLORIDE**

**BRAND NAME** KYTRIL, GRANISETRON AFT, APOTEX, KABI, SANDOZ  
**DRUG CLASS** Anti-emetic, 5HT₃ antagonist  
**AVAILABILITY** Ampoule contains 1 mg/mL or 3 mg/3 mL of granisetron hydrochloride.¹ ² ³ ³ ³ Kytril, Sandoz, Apotex and Kabi brands also contain sodium chloride, citric acid monohydrate, sodium hydroxide and hydrochloric acid.¹ ² ³ AFT brand contains sodium hydroxide and hydrochloric acid.¹  
Apotex, Kabi and Kytril brands are clear, colourless solutions.¹ Sandoz brand is a clear, colourless to pale yellow solution.² AFT brand is a clear, colourless to faintly yellow-brown solution.³  
**pH** 4–6⁴  
**PREPARATION** Not required  
**STABILITY** Ampoule: store below 25 °C. Protect from light. Do not freeze.¹ ²  
Infusion solution: stable for 24 hours at 2 to 8 °C.¹ ²  
**ADMINISTRATION**  
**IM injection** Not recommended  
**SUBCUT injection** Suitable in palliative care patients as an intermittent injection or as a continuous subcutaneous infusion.⁵  
**IV injection** For prevention and treatment of post-operative nausea and vomiting, inject 1 mg over 30 seconds.¹  
**IV infusion** Dilute the dose in 20–50 mL of a compatible fluid and infuse over 5 minutes. Give 30 minutes before starting chemotherapy and 5 minutes before radiotherapy. In the treatment of established nausea and vomiting, the dose may be repeated after 10 minutes.¹ ²  
**IV use for infants and children** Inject undiluted over 30 seconds or dilute in 5–10 mL of a compatible fluid and inject over 5 minutes or dilute in 20–50 mL of a compatible fluid and infuse over 30 minutes to 1 hour.⁶ ⁷  
**COMPATIBILITY**  
**Fluids** Glucose 5%¹ ² ³ ³, glucose 4% in sodium chloride 0.18%¹ ² ³ ³, glucose in sodium chloride solutions², Hartmann’s¹ ² ³ ³, mannitol¹ ² ³ ³, Plasma-Lyte 148 via Y-site⁸, sodium chloride 0.9%¹ ².  
**Y-site** Amifostine⁴, amikacin⁴, aminophylline⁴, ampicillin⁴, aztreonam⁴, buprenorphine⁴, calcium folinate⁴, calcium gluconate⁴, cefazolin⁴, cefepime⁴, cefotaxime⁴, cefoxitin⁴, cefotaxime fosamil⁴, ceftriaxone⁴, ciprofloxacin⁴, clindamycin⁴, dexamethasone⁴, dexmedetomidine⁴, dobutamine⁴, dopamine⁴, droperidol⁴, fentanyl⁴, flumazenil⁴, gentamicin⁴, haloperidol lactate (in glucose)⁴, heparin sodium⁴, hydromorphone⁴, imipenem-cilastatin⁴, linezolid⁴, magnesium sulfate⁴, mesna⁴, methylprednisolone sodium succinate⁴, metoclopramide⁴, metronidazole⁴, morphine sulfate⁴, paracetamol⁴, pethidine⁴, piperacillin-tazobactam (EDTA-free)⁴, potassium chloride⁴, promethazine⁴, ranitidine⁴, sodium bicarbonate⁴, ticarcillin-clavulanate⁴, tobramycin⁴, trimethoprim-sulfamethoxazole⁴, vancomycin⁴, zidovudine⁴  
**Syringe** Information on compatibility with other medicines in a syringe driver is available.⁵  
**INCOMPATIBILITY** No information  

**REFERENCES**  