

Granisetron Hydrochloride Syrup 0.2 mg/mL

INGREDIENTS:

Granisetron hydrochloride 1 mg tablet	24 tablets
Distilled water	60 mL
Cherry syrup	QSAD: 120 mL

EQUIPMENT AND SUPPLIES:

Powder containment hood, mortar and pestle, graduated cylinder

PREPARATION DETAILS:

1. Triturate tablets to a fine powder with a mortar and pestle.
2. Levigate powder with distilled water to form a paste.
3. Add distilled water in increasing amounts while mixing thoroughly.
4. Transfer contents of the mortar to a graduated cylinder.
5. Rinse the mortar and pestle with vehicle and pour into graduated cylinder.
6. Add vehicle to the graduated cylinder to achieve the total volume indicated above.
7. Transfer contents of the graduated cylinder into an appropriately sized amber bottle.
8. Shake well to mix.

Quality-Control Procedures — Visually inspect for physical appearance of formulation and container closure integrity (no leakage, cracks in container, or improper seals).

Labeling Requirements — Extemporaneously compounded preparation. For oral use only. Store at room temperature or refrigerate. Shake well before use.

Storage Conditions/Stability — Store at room temperature or refrigerate. Stable for 14 days.

STABILITY STUDY DETAILS:

Study Container Type — Amber plastic bottle

Referenced Manufacturers — Granisetron hydrochloride tablets (Kytril, Smith-Kline Beecham); cherry syrup (Humco); distilled water (not specified).

Stability-Indicating Study — Yes

REFERENCE

1. Quercia RA, Zhang J, Fan C, et al. Stability of granisetron hydrochloride in an extemporaneously prepared oral liquid. *Am J Health Syst Pharm.* 1997;54(12):1404-1406.