

Chronic open-angle glaucoma

- **Adult: PO/IV** 250 mg 1-4 times per day or 500 mg **EXT REL** bid, max 1 g/day
- **Child (Unlabeled): PO** 8-30 mg/kg/day in divided doses tid or qid, or 300-900 mg/m²/day, max 1 g/day; **IV** 5-10 mg q6hr, max 1 g/day

Edema in heart failure, drug-induced edema

- **Adult: PO/IV** 250-375 mg/day
- **Child (unlabeled): PO/IV** 5 mg/kg/day or 150 mg/m² in AM

Adjunct for epilepsy and myoclonic, refractory, generalized tonic-clonic, absence or mixed seizures

- **Adult: PO/IV** 8-30 mg/kg/day in 1-4 divided doses, usual range 375-1000 mg/day; **EXT REL** not recommended with seizures

Altitude sickness

- **Adult: PO** 125 mg bid, start therapy 24-48 hr before ascent and give for ≥48 hr after arrival at high altitude

Renal dose

- **Adult: PO/IV CCr** 50-80 mL/min give dose ≥q6hr regular release or **IV**; **CCr** 10-50 mL/min give dose q12hr; **CCr** <10 mL/min, avoid use

Urine alkalinization (unlabeled)

- **Adult: IV** 5 mg/kg/dose, repeat 2-3× over 24 hr

Familial periodic paralysis (unlabeled)

- **Adult: PO** 250-375 mg/day in divided doses

Metabolic alkalosis in mechanical ventilation (unlabeled)

- **Adult: IV** 500 mg as a single dose or 250 mg q6hr × 4 doses

Vestibular nystagmus (unlabeled)

- **Adult: PO** 250 mg, increase by 250 mg q3days; max 3 g/day in divided doses

Available forms: Tabs 125, 250 mg; ext rel caps 500 mg; inj 500 mg

Administer:

- In AM to avoid interference with sleep if using product as diuretic
- Potassium replacement if potassium level is <3 mg/dL

PO route

- Do not break, crush, or chew ext rel caps; this product should be used for altitude sickness, glaucoma; store at room temperature
- With food if nausea occurs; absorption may be decreased slightly

IV route

- Reconstitute with 500 mg in ≥5 mL sterile water for inj; **direct IV:** give at 100-500 mg/min
- Store in cool, dark area; use reconstituted solution within 24 hr

SIDE EFFECTS

CNS: Anxiety, *confusion*, **seizures**, *depression*, dizziness, *drowsiness*, *fatigue*, headache, *paresthesia*, stimulation

EENT: Myopia, tinnitus

ENDO: *Hyper/hypoglycemia*

GI: *Nausea*, *vomiting*, *anorexia*, *diarrhea*, *melena*, *weight loss*, **hepatic insufficiency**, **cholestatic jaundice**, **fulminant hepatic necrosis**, *taste alterations*, **bleeding**

GU: *Frequency*, *polyuria*, **uremia**, glucosuria, hematuria, dysuria, crystalluria, renal calculi

HEMA: **Aplastic anemia**, **hemolytic anemia**, **leukopenia**, **thrombocytopenia**, **purpura**, **pancytopenia**

INTEG: *Rash*, pruritus, urticaria, fever, **Stevens-Johnson syndrome**, photosensitivity, flushing, **toxic epidermal necrolysis**

META: *Hypokalemia*, *hyperchloremic acidosis*, hyponatremia, sulfonamide-like reactions, metabolic acidosis, growth inhibition in children, hyperuricemia, hypercalcemia

PHARMACOKINETICS

65% absorbed if fasting (oral), 75% absorbed if given with food; half-life 2¹/₂-5¹/₂ hr; excreted unchanged by kidneys (80% within 24 hr), crosses placenta

PO: Onset 1-1¹/₂ hr, peak 1-4 hr, duration 8-12 hr