

ISOSORBID DINITRATE

Class: Antianginal Agent; Vasodilator

Indications: Prevention and treatment of angina pectoris

Unlabeled : Patients with heart failure (HF) who do not tolerate an ACE inhibitor or an angiotensin receptor blocker (ARB); African-American (self-identified) patients with HF remaining symptomatic despite optimal standard therapy; esophageal spastic disorders

Available dosage form in the hospital: 5MG TAB, 10MG TAB, 0.1% (10MG/10ML) I.V AMP, 20MG CAP, 40MG CAP

Dosage:

-Angina:

-Oral:

- Immediate release: Initial: 5-20 mg 2-3 times/day; Maintenance: 10-40 mg 2-3 times/day **or** 5-80 mg 2-3 times/day.

-Sustained release: 40-160 mg/day has been used in clinical trials (a nitrate free interval of at least 18 hours is recommended; however, a clinically efficacious dosage interval has not been clearly established) **or** 40 mg 1-2 times/day.

-Sublingual:

-Prophylactic use: 2.5-5 mg administered 15 minutes prior to activities which may provoke an anginal episode

-Treatment of acute anginal episode (use only if patient has failed sublingual nitroglycerin): 2.5-5 mg every 5-10 minutes for maximum of 3 doses in 15-30 minutes

-Heart failure: *Oral:* Immediate release (**Note:** Use in combination with hydralazine): Initial dose: 20 mg 3-4 times per day. Target dose: 160 mg/day in 4 divided doses

-Esophageal spastic disorders: *Oral, sublingual:* Immediate release: 10-30 mg before meals.

Geriatric

Elderly patients should be given lowest recommended adult daily doses initially and titrate upward.

Renal Impairment:

No dosage adjustment provided in manufacturer's labeling.

Hemodialysis: Supplemental dose is not necessary

Peritoneal dialysis: Supplemental dose is not necessary

Hepatic Impairment:

No dosage adjustment provided in manufacturer's labeling.

Common side effect: Cardiovascular: Crescendo angina, hypotension, orthostatic hypotension, rebound hypertension, syncope. Central nervous system: Headache, lightheadedness.

Hematologic: Methemoglobinemia

Pregnancy Risk Factor: C