

PDR Search



[Home](#) / [Imdur Drug Information](#) / [Drug Summary](#)



Advertisement

Drug Summary

Imdur

(isosorbide mononitrate) - Schering Corporation

Jump to Section

[THERAPEUTIC CLASS](#)

[DEA CLASS](#)

[INDICATIONS](#)

[ADULT DOSAGE](#)

[DOSING CONSIDERATIONS](#)

[View All Sections...](#)

Advertisement

Related Drug Information

Imdur

(isosorbide mononitrate)

THERAPEUTIC CLASS

Nitrate vasodilator

DEA CLASS

RX

INDICATIONS

Prevention of angina pectoris due to coronary artery disease.

ADULT DOSAGE

Angina Pectoris

Prevention:

Initial: 30mg or 60mg qam

Titrate: Increase to 120mg qam after several days; rarely, 240mg qam may be required

DOSING CONSIDERATIONS

Elderly

Start at lower end of dosing range

ADMINISTRATION

Oral route

Take qam on arising
Swallow tab whole w/ a half-glassful of fluid; do not crush or chew
Do not break 30mg tab

HOW SUPPLIED

Tab, Extended-Release: 30mg*, 60mg*, 120mg *scored

WARNINGS/PRECAUTIONS

Not useful in aborting acute anginal episode. Not recommended for use in patients w/ acute MI or congestive heart failure; perform careful clinical or hemodynamic monitoring if used in these conditions. Severe hypotension, particularly w/ upright posture, may occur; caution in volume depleted, hypotensive, or elderly patients. Nitrate-induced hypotension may be accompanied by paradoxical bradycardia and increased angina pectoris. May aggravate angina caused by hypertrophic cardiomyopathy. May develop tolerance. Chest pain, acute MI, and sudden death reported during temporary withdrawal.

ADVERSE REACTIONS

Headache, dizziness, dry mouth, asthenia, cardiac failure, abdominal pain, earache, arrhythmia, hyperuricemia, arthralgia, purpura, anxiety, hypochromic anemia, atrophic vaginitis, bacterial infection.

DRUG INTERACTIONS

Sildenafil amplifies vasodilatory effects that can result in severe hypotension. Additive vasodilating effects w/ other vasodilators (eg, alcohol). Marked symptomatic orthostatic hypotension reported w/ calcium channel blockers; dose adjustments of either class of agents may be necessary.

PREGNANCY AND LACTATION

Category B, caution in nursing.

MECHANISM OF ACTION

Nitrate vasodilator; relaxes vascular smooth muscle, producing dilatation of peripheral arteries and veins, especially the latter. Dilatation of the veins leads to reducing the left ventricular end-diastolic pressure and pulmonary capillary wedge pressure (preload). Arteriolar relaxation reduces systemic vascular resistance, systolic arterial pressure, and mean arterial pressure (afterload). It also dilates the coronary artery.

PHARMACOKINETICS

Absorption: Single Dose (60mg): C_{max} =424-541ng/mL, T_{max} =3.1-4.5 hrs, AUC=5990-7452ng•hr/mL. Multiple Dose: C_{max} =557-572ng/mL (60mg), 1151-1180ng/mL (120mg); T_{max} =2.9-4.2 hrs (60mg), 3.1-3.2 hrs (120mg); AUC=6625-7555ng•hr/mL (60mg), 14,241-16,800ng•hr/mL (120mg). **Distribution:** V_d =0.6-0.7L/kg (IV); plasma protein binding (5%). **Metabolism:** Liver; denitration and glucuronidation. **Elimination:** Urine (96%, 2% unchanged), feces (1%); $T_{1/2}$ =6.3-6.6 hrs (60mg single dose), 6.2-6.3 hrs (60mg multiple dose), 6.2-6.4 hrs (120mg multiple dose).

ASSESSMENT

Assess for drug hypersensitivity, hypotension, volume depletion, angina caused by hypertrophic cardiomyopathy, pregnancy/nursing status, possible drug interactions, and any other conditions where treatment is cautioned or contraindicated.

MONITORING

Monitor for hypotension w/ paradoxical bradycardia and increased angina pectoris, tachycardia, aggravation of angina caused by hypertrophic cardiomyopathy, tolerance, manifestations of true physical dependence (eg, chest pain, acute MI), and other adverse reactions.

PATIENT COUNSELING

Inform about the risks and benefits of therapy. Counsel to carefully follow the prescribed schedule of dosing. Advise that daily headaches may accompany treatment and instruct to avoid altering schedule of treatment as the headaches are a marker of the activity of the medication and loss of headache may be associated w/ loss of antianginal efficacy. Inform that treatment may be associated w/ lightheadedness on standing, especially just after rising from a recumbent/seated position and may be more frequent w/ alcohol consumption.

STORAGE

20-25°C (68-77°F).

[Back to top](#)

[About Us](#) | [Help](#) | [Contact Us](#) | [Order Books](#) | [Report Adverse Events](#) | [Privacy Policy](#) | [Terms of Service](#)

U.S.-based MDs, DOs, NPs and PAs in full-time patient practice can register for free on PDR.net. PDR.net is to be used only as a reference aid. It is not intended to be a substitute for the exercise of professional judgment. You should confirm the information on the PDR.net site through independent sources and seek other professional guidance in all treatment and diagnosis decisions.

© 2015 PDR, LLC. All rights reserved.

