

- **INTERACTIONS** → Appendix 1: nitrates
  - **SIDE-EFFECTS**
    - ▶ Rare or very rare Myalgia
  - **PREGNANCY** Manufacturers advise avoid unless potential benefit outweighs risk.
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- **MEDICINAL FORMS** There can be variation in the licensing of different medicines containing the same drug. Forms available from special-order manufacturers include: oral suspension, oral solution

**Modified-release tablet**

CAUTIONARY AND ADVISORY LABELS 25

- ▶ **Carmil XL** (Milpharm Ltd)
  - Isosorbide mononitrate 60 mg** Carmil XL 60mg tablets | 28 tablet [P] £5.75 DT = £10.50
- ▶ **Chemydur 60XL** (Advanz Pharma)
  - Isosorbide mononitrate 60 mg** Chemydur 60XL tablets | 28 tablet [P] £3.49 DT = £10.50
- ▶ **Imdur** (TopRidge Pharma (Ireland) Ltd)
  - Isosorbide mononitrate 60 mg** Imdur 60mg modified-release tablets | 28 tablet [P] £10.50 DT = £10.50
- ▶ **Isib XL** (Alliance Pharmaceuticals Ltd)
  - Isosorbide mononitrate 60 mg** Isib 60XL tablets | 28 tablet [P] £8.15 DT = £10.50
- ▶ **Ismo Retard** (Intrapharm Laboratories Ltd)
  - Isosorbide mononitrate 40 mg** Ismo Retard 40mg tablets | 30 tablet [P] £10.71
- ▶ **Isotard XL** (Kyowa Kirin Ltd)
  - Isosorbide mononitrate 25 mg** Isotard 25XL tablets | 28 tablet [P] £6.75 DT = £6.75
  - Isosorbide mononitrate 40 mg** Isotard 40XL tablets | 28 tablet [P] £6.75 DT = £6.75
  - Isosorbide mononitrate 50 mg** Isotard 50XL tablets | 28 tablet [P] £6.75 DT = £6.75
  - Isosorbide mononitrate 60 mg** Isotard 60XL tablets | 28 tablet [P] £5.75 DT = £10.50
- ▶ **Modisal XL** (Ennogen Pharma Ltd)
  - Isosorbide mononitrate 40 mg** Modisal XL 40mg tablets | 28 tablet [PoM] £5.40 DT = £6.75
- ▶ **Monomax XL** (Chiesi Ltd)
  - Isosorbide mononitrate 60 mg** Monomax XL 60mg tablets | 28 tablet [P] £5.25 DT = £10.50
- ▶ **Monomil XL** (Teva UK Ltd)
  - Isosorbide mononitrate 60 mg** Monomil XL 60mg tablets | 28 tablet [P] £3.49 DT = £10.50
- ▶ **Monosorb XL** (Dexcel-Pharma Ltd)
  - Isosorbide mononitrate 60 mg** Monosorb XL 60 tablets | 28 tablet [P] £15.53 DT = £10.50
- ▶ **Relosorb XL** (Relonchem Ltd)
  - Isosorbide mononitrate 60 mg** Relosorb XL 60mg tablets | 28 tablet [PoM] £22.45 DT = £10.50
- ▶ **Tardisc XL** (Dexcel-Pharma Ltd)
  - Isosorbide mononitrate 60 mg** Tardisc XL 60 tablets | 28 tablet [P] £3.49 DT = £10.50
- ▶ **Trangina XL** (Accord Healthcare Ltd)
  - Isosorbide mononitrate 60 mg** Trangina XL 60mg tablets | 28 tablet [PoM] £4.55 DT = £10.50
- ▶ **Xismox XL** (Genus Pharmaceuticals Ltd)
  - Isosorbide mononitrate 60 mg** Xismox XL 60 tablets | 28 tablet [PoM] £5.51 DT = £10.50
- ▶ **Zemon XL** (Kent Pharmaceuticals Ltd)
  - Isosorbide mononitrate 40 mg** Zemon 40 XL tablets | 28 tablet [P] £14.25 DT = £6.75

**Tablet**

CAUTIONARY AND ADVISORY LABELS 25

- ▶ **Isosorbide mononitrate (Non-proprietary)**
  - Isosorbide mononitrate 10 mg** Isosorbide mononitrate 10mg tablets | 56 tablet [PoM] £0.40-£13.10 DT = £1.17
  - Isosorbide mononitrate 20 mg** Isosorbide mononitrate 20mg tablets | 56 tablet [PoM] £0.41-£13.88 DT = £1.35
  - Isosorbide mononitrate 40 mg** Isosorbide mononitrate 40mg tablets | 56 tablet [PoM] £0.34-£20.55 DT = £1.79
- ▶ **Ismo** (Intrapharm Laboratories Ltd)
  - Isosorbide mononitrate 10 mg** Ismo 10 tablets | 60 tablet [P] £2.98
  - Isosorbide mononitrate 20 mg** Ismo 20 tablets | 60 tablet [P] £4.12

**Modified-release capsule**

CAUTIONARY AND ADVISORY LABELS 25

- ▶ **Elantan LA** (Forum Health Products Ltd)
  - Isosorbide mononitrate 25 mg** Elantan LA25 capsules | 28 capsule [P] £3.40 DT = £3.40
  - Isosorbide mononitrate 50 mg** Elantan LA50 capsules | 28 capsule [P] £3.69 DT = £3.69
- ▶ **Isodur XL** (Galen Ltd)
  - Isosorbide mononitrate 25 mg** Isodur 25XL capsules | 28 capsule [P] £4.63 DT = £3.40
  - Isosorbide mononitrate 50 mg** Isodur 50XL capsules | 28 capsule [P] £6.45 DT = £3.69
- ▶ **Monomax SR** (Ethypharm UK Ltd)
  - Isosorbide mononitrate 40 mg** Nyzamac SR 40mg capsules | 28 capsule [P] £6.52 DT = £6.52
  - Isosorbide mononitrate 60 mg** Nyzamac SR 60mg capsules | 28 capsule [P] £8.86 DT = £8.86

**SYMPATHOMIMETICS > INOTROPIC****Dobutamine**

- **DRUG ACTION** Dobutamine is a cardiac stimulant which acts on beta<sub>1</sub> receptors in cardiac muscle, and increases contractility.

**INDICATIONS AND DOSE**

**Inotropic support in infarction, cardiac surgery, cardiomyopathies, septic shock, cardiogenic shock, and during positive end expiratory pressure ventilation**

- ▶ BY INTRAVENOUS INFUSION
  - ▶ Adult: Usual dose 2.5–10 micrograms/kg/minute, adjusted according to response, alternatively 0.5–40 micrograms/kg/minute

**Cardiac stress testing**

- ▶ BY INTRAVENOUS INFUSION
  - ▶ Adult: (consult product literature)

- **CONTRA-INDICATIONS** Pheochromocytoma
- **CAUTIONS** Acute heart failure · acute myocardial infarction · arrhythmias · correct hypercapnia before starting and during treatment · correct hypovolaemia before starting and during treatment · correct hypoxia before starting and during treatment · correct metabolic acidosis before starting and during treatment · diabetes mellitus · elderly · extravasation may cause tissue necrosis · extreme caution or avoid in marked obstruction of cardiac ejection (such as idiopathic hypertrophic subaortic stenosis) · hyperthyroidism · ischaemic heart disease · occlusive vascular disease · severe hypotension · susceptibility to angle-closure glaucoma · tachycardia · tolerance may develop with continuous infusions longer than 72 hours
- **INTERACTIONS** → Appendix 1: sympathomimetics, inotropic
- **SIDE-EFFECTS**
  - ▶ Common or very common Arrhythmias · bronchospasm · chest pain · dyspnoea · eosinophilia · fever · headache · inflammation localised · ischaemic heart disease · nausea · palpitations · platelet aggregation inhibition (on prolonged administration) · skin reactions · urinary urgency · vasoconstriction
  - ▶ Uncommon Myocardial infarction
  - ▶ Rare or very rare Atrioventricular block · cardiac arrest · coronary vasospasm · hypertension exacerbated · hypokalaemia · hypotension exacerbated
  - ▶ Frequency not known Anxiety · cardiomyopathy · feeling hot · myoclonus · paraesthesia · tremor
- **PREGNANCY** No evidence of harm in *animal* studies—manufacturers advise use only if potential benefit outweighs risk.
- **BREAST FEEDING** Manufacturers advise avoid—no information available.