

- **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

Tablet

CAUTIONARY AND ADVISORY LABELS 21

▶ **Spirolactone (Non-proprietary)**

Spirolactone 25 mg Spirolactone 25mg tablets | 28 tablet [PoM] £1.95 DT = £1.05 | 500 tablet [PoM] £17.86

Spirolactone 50 mg Spirolactone 50mg tablets | 28 tablet [PoM] £9.99 DT = £4.07

Spirolactone 100 mg Spirolactone 100mg tablets | 28 tablet [PoM] £2.96 DT = £1.85

▶ **Aldactone (Pfizer Ltd)**

Spirolactone 25 mg Aldactone 25mg tablets | 100 tablet [PoM] £8.89

Spirolactone 50 mg Aldactone 50mg tablets | 100 tablet [PoM] £17.78

Spirolactone 100 mg Aldactone 100mg tablets | 28 tablet [PoM] £9.96 DT = £1.85 | 100 tablet [PoM] £35.56

PHOSPHODIESTERASE TYPE-3 INHIBITORS**Enoximone**

14-Jul-2018

- **DRUG ACTION** Enoximone is a phosphodiesterase type-3 inhibitor that exerts most effect on the myocardium; it has positive inotropic properties and vasodilator activity.

● **INDICATIONS AND DOSE****Congestive heart failure, low cardiac output following cardiac surgery**

▶ INITIALLY BY SLOW INTRAVENOUS INJECTION

▶ **Neonate:** Loading dose 500 micrograms/kg, followed by (by continuous intravenous infusion) 5–20 micrograms/kg/minute, adjusted according to response, infusion to be given over 24 hours; maximum 24 mg/kg per day.

▶ **Child:** Loading dose 500 micrograms/kg, followed by (by continuous intravenous infusion) 5–20 micrograms/kg/minute, adjusted according to response, infusion dose to be given over 24 hours; maximum 24 mg/kg per day

- **UNLICENSED USE** Not licensed for use in children.
- **CAUTIONS** Heart failure associated with hypertrophic cardiomyopathy, stenotic or obstructive valvular disease or other outlet obstruction
- **SIDE-EFFECTS**
 - ▶ **Common or very common** Headache · hypotension · insomnia
 - ▶ **Uncommon** Arrhythmias · diarrhoea · dizziness · nausea · vomiting
 - ▶ **Rare or very rare** Chills · fever · fluid retention · myalgia · oliguria · urinary retention
- **PREGNANCY** Manufacturer advises use only if potential benefit outweighs risk.
- **BREAST FEEDING** Manufacturer advises caution—no information available.

● **RENAL IMPAIRMENT**

Dose adjustments Consider dose reduction.

- **MONITORING REQUIREMENTS** Monitor blood pressure, heart rate, ECG, central venous pressure, fluid and electrolyte status, renal function, platelet count and hepatic enzymes.

- **DIRECTIONS FOR ADMINISTRATION** Incompatible with glucose solutions. Use only plastic containers or syringes; crystal formation if glass used. Avoid extravasation.

For intravenous administration, dilute to concentration of 2.5 mg/mL with Sodium Chloride 0.9% or Water for Injections; the initial loading dose should be given by slow intravenous injection over at least 15 minutes.

● **PRESCRIBING AND DISPENSING INFORMATION**

Phosphodiesterase type-3 inhibitors possess positive inotropic and vasodilator activity and are useful in infants and children with low cardiac output especially after cardiac surgery. Phosphodiesterase type-3 inhibitors should be limited to short-term use because long-term oral administration has been associated with increased mortality in adults with congestive heart failure.

● **PATIENT AND CARER ADVICE**

Medicines for Children leaflet: Enoximone for pulmonary hypertension www.medicinesforchildren.org.uk/enoximone-pulmonary-hypertension

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Solution for injection

EXCIPIENTS: May contain Alcohol, propylene glycol

▶ **Perfan** (Carinopharm GmbH)

Enoximone 5 mg per 1 ml Perfán 100mg/20ml solution for injection ampoules | 10 ampoule [PoM] (H) (Hospital only)

Milrinone

- **DRUG ACTION** Milrinone is a phosphodiesterase type-3 inhibitor that exerts most effect on the myocardium; it has positive inotropic properties and vasodilator activity.

● **INDICATIONS AND DOSE****Congestive heart failure, low cardiac output following cardiac surgery, shock**

▶ INITIALLY BY INTRAVENOUS INFUSION

▶ **Neonate:** Initially 50–75 micrograms/kg, given over 30–60 minutes, reduce or omit initial dose if at risk of hypotension, then (by continuous intravenous infusion) 30–45 micrograms/kg/hour for 2–3 days (usually for 12 hours after cardiac surgery).

▶ **Child:** Initially 50–75 micrograms/kg, given over 30–60 minutes, reduce or omit initial dose if at risk of hypotension, then (by continuous intravenous infusion) 30–45 micrograms/kg/hour for 2–3 days (usually for 12 hours after cardiac surgery)

- **UNLICENSED USE** Not licensed for use in children under 18 years.
- **CONTRA-INDICATIONS** Severe hypovolaemia
- **CAUTIONS** Correct hypokalaemia · heart failure associated with hypertrophic cardiomyopathy, stenotic or obstructive valvular disease or other outlet obstruction
- **SIDE-EFFECTS**
 - ▶ **Common or very common** Arrhythmia supraventricular (increased risk in patients with pre-existing arrhythmias) · arrhythmias · headache · hypotension
 - ▶ **Uncommon** Angina pectoris · chest pain · hypokalaemia · thrombocytopenia · tremor
 - ▶ **Rare or very rare** Anaphylactic shock · bronchospasm · skin eruption
 - ▶ **Frequency not known** Intraventricular haemorrhage · renal failure
- **PREGNANCY** Manufacturer advises use only if potential benefit outweighs risk.
- **BREAST FEEDING** Manufacturer advises avoid—no information available.
- **RENAL IMPAIRMENT** Dose adjustments Use half to three-quarters normal dose and monitor response if estimated glomerular filtration rate less than 50 mL/minute/1.73 m².
- **MONITORING REQUIREMENTS**
 - ▶ Monitor blood pressure, heart rate, ECG, central venous pressure, fluid and electrolyte status, renal function, platelet count and hepatic enzymes.
 - ▶ Monitor renal function.