

- ▶ **NutropinAq** (Ipsen Ltd)
Somatropin (rbe) 5 mg per 1 ml NutropinAq 10mg/2ml solution for injection cartridges | 1 cartridge [PoM] £203.00 DT = £203.00 [CD4-2] | 3 cartridge [PoM] £609.00 DT = £609.00 [CD4-2]
- ▶ **Omnitrope SurePal** (Sandoz Ltd)
Somatropin (rbe) 3.333 mg per 1 ml Omnitrope SurePal 5 5mg/1.5ml solution for injection cartridges | 5 cartridge [PoM] £368.74 DT = £368.74 [CD4-2]
- Somatropin (rbe) 6.667 mg per 1 ml** Omnitrope SurePal 10 10mg/1.5ml solution for injection cartridges | 5 cartridge [PoM] £737.49 DT = £737.49 [CD4-2]
- Somatropin (rbe) 10 mg per 1 ml** Omnitrope SurePal 15 15mg/1.5ml solution for injection cartridges | 5 cartridge [PoM] £1,106.22 DT = £1,106.22 [CD4-2]
- ▶ **Saizen** (Merck Serono Ltd)
Somatropin (rmc) 5.825 mg per 1 ml Saizen 6mg/1.03ml solution for injection cartridges | 1 cartridge [PoM] £139.08 DT = £139.08 [CD4-2]
- Somatropin (rmc) 8 mg per 1 ml** Saizen 12mg/1.5ml solution for injection cartridges | 1 cartridge [PoM] £278.16 DT = £278.16 [CD4-2]
- Saizen 20mg/2.5ml solution for injection cartridges | 1 cartridge [PoM] £463.60 DT = £463.60 [CD4-2]

Power and solvent for solution for injection

EXCIPIENTS: May contain Benzyl alcohol

- ▶ **Genotropin** (Pfizer Ltd)
Somatropin (rbe) 5.3 mg Genotropin 5.3mg powder and solvent for solution for injection cartridges | 1 cartridge [PoM] £92.15 DT = £92.15 [CD4-2]
- Somatropin (rbe) 12 mg** Genotropin 12mg powder and solvent for solution for injection cartridges | 1 cartridge [PoM] £208.65 DT = £208.65 [CD4-2]
- ▶ **Genotropin GoQuick** (Pfizer Ltd)
Somatropin (rbe) 5.3 mg Genotropin GoQuick 5.3mg powder and solvent for solution for injection pre-filled pen | 1 pre-filled disposable injection [PoM] £92.15 DT = £92.15 [CD4-2]
- Somatropin (rbe) 12 mg** Genotropin GoQuick 12mg powder and solvent for solution for injection pre-filled pen | 1 pre-filled disposable injection [PoM] £208.65 DT = £208.65 [CD4-2]
- ▶ **Genotropin MiniQuick** (Pfizer Ltd)
Somatropin (rbe) 200 microgram Genotropin MiniQuick 200microgram powder and solvent for solution for injection pre-filled disposable devices | 7 pre-filled disposable injection [PoM] £24.35 DT = £24.35 [CD4-2]
- Somatropin (rbe) 400 microgram** Genotropin MiniQuick 400microgram powder and solvent for solution for injection pre-filled disposable devices | 7 pre-filled disposable injection [PoM] £48.68 DT = £48.68 [CD4-2]
- Somatropin (rbe) 600 microgram** Genotropin MiniQuick 600microgram powder and solvent for solution for injection pre-filled disposable devices | 7 pre-filled disposable injection [PoM] £73.03 DT = £73.03 [CD4-2]
- Somatropin (rbe) 800 microgram** Genotropin MiniQuick 800microgram powder and solvent for solution for injection pre-filled disposable devices | 7 pre-filled disposable injection [PoM] £97.37 DT = £97.37 [CD4-2]
- Somatropin (rbe) 1 mg** Genotropin MiniQuick 1mg powder and solvent for solution for injection pre-filled disposable devices | 7 pre-filled disposable injection [PoM] £121.71 DT = £121.71 [CD4-2]
- Somatropin (rbe) 1.2 mg** Genotropin MiniQuick 1.2mg powder and solvent for solution for injection pre-filled disposable devices | 7 pre-filled disposable injection [PoM] £146.06 DT = £146.06 [CD4-2]
- Somatropin (rbe) 1.4 mg** Genotropin MiniQuick 1.4mg powder and solvent for solution for injection pre-filled disposable devices | 7 pre-filled disposable injection [PoM] £170.39 DT = £170.39 [CD4-2]
- Somatropin (rbe) 1.6 mg** Genotropin MiniQuick 1.6mg powder and solvent for solution for injection pre-filled disposable devices | 7 pre-filled disposable injection [PoM] £194.74 DT = £194.74 [CD4-2]
- Somatropin (rbe) 1.8 mg** Genotropin MiniQuick 1.8mg powder and solvent for solution for injection pre-filled disposable devices | 7 pre-filled disposable injection [PoM] £219.08 DT = £219.08 [CD4-2]
- Somatropin (rbe) 2 mg** Genotropin MiniQuick 2mg powder and solvent for solution for injection pre-filled disposable devices | 7 pre-filled disposable injection [PoM] £243.42 DT = £243.42 [CD4-2]
- ▶ **Humatrope** (Eli Lilly and Company Ltd)
Somatropin (rbe) 6 mg Humatrope 6mg powder and solvent for solution for injection cartridges | 1 cartridge [PoM] £108.00 DT = £108.00 [CD4-2]
- Somatropin (rbe) 12 mg** Humatrope 12mg powder and solvent for solution for injection cartridges | 1 cartridge [PoM] £216.00 DT = £208.65 [CD4-2]

Somatropin (rbe) 24 mg Humatrope 24mg powder and solvent for solution for injection cartridges | 1 cartridge [PoM] £432.00 DT = £432.00 [CD4-2]

- ▶ **Saizen** (Merck Serono Ltd)
Somatropin (rmc) 8 mg Saizen 8mg click.easy powder and solvent for solution for injection vials | 1 vial [PoM] £185.44 DT = £185.44 [CD4-2]
- ▶ **Zomacton** (Ferring Pharmaceuticals Ltd)
Somatropin (rbe) 4 mg Zomacton 4mg powder and solvent for solution for injection vials | 1 vial [PoM] £68.28 DT = £68.28 [CD4-2]
- Somatropin (rbe) 10 mg** Zomacton 10mg powder and solvent for solution for injection vials | 1 vial [PoM] £170.70 DT = £170.70 [CD4-2]

6.3a Insulin-like growth factor-I deficiency

PITUITARY AND HYPOTHALAMIC HORMONES AND ANALOGUES > SOMATOMEDINS

Mecasermin

(Recombinant human insulin-like growth factor-I; rhIGF-I)

- **DRUG ACTION** Somatomedins are a group of polypeptide hormones structurally related to insulin and commonly known as insulin-like growth factors (IGFs). Mecasermin, a human insulin-like growth factor-I (rhIGF-I), is the principal mediator of the somatotropic effects of human growth hormone.

● INDICATIONS AND DOSE

Treatment of growth failure in children with severe primary insulin-like growth factor-I deficiency

- ▶ BY SUBCUTANEOUS INJECTION
- ▶ Child 2-17 years: Initially 40 micrograms/kg twice daily for 1 week, increased, if tolerated, in steps of 40 micrograms/kg (max. per dose 120 micrograms/kg twice daily), discontinue if no response within 1 year, reduce dose if hypoglycaemia occurs despite adequate food intake; withhold injection if patient unable to eat

- **CONTRA-INDICATIONS** Evidence of tumour activity (discontinue treatment)
- **CAUTIONS** Correct hypothyroidism before initiating treatment · diabetes mellitus (adjustment of antidiabetic therapy may be necessary) · papilloedema
- **SIDE-EFFECTS**
 - ▶ **Common or very common** Adenoidal hypertrophy · arthralgia · dizziness · ear discomfort · gastrointestinal discomfort · gynaecomastia · hair texture abnormal · headache · hearing impairment · hyperglycaemia · hypoglycaemia · melanocytic naevus · myalgia · otitis media · pain in extremity · papilloedema · scoliosis · seizures · skin hypertrophy · sleep apnoea · snoring · tachycardia · thymus enlargement · tonsillar hypertrophy · tremor · vomiting
 - ▶ **Uncommon** Cardiac hypertrophy · cardiac valve disorders · depression · idiopathic intracranial hypertension · lipohypertrophy · nervousness · weight increased
 - ▶ **Frequency not known** Alopecia
- SIDE-EFFECTS, FURTHER INFORMATION** Funduscopy for papilloedema recommended regularly during treatment and if severe or recurrent headache, visual problems, nausea and vomiting occur—if papilloedema confirmed consider benign intracranial hypertension.
- **CONCEPTION AND CONTRACEPTION** Contraception advised in women of child-bearing potential.
- **PREGNANCY** Avoid unless essential.
- **BREAST FEEDING** Avoid.