Erythropoiesis-stimulating agents

General description

Erythropoiesis-stimulating agents (ESAs) are biological proteins that stimulate the production of red blood cells. They are indicated for treatment of anaemia associated with chronic kidney disease.

INN	Epoetin alfa
ATC codes	B03XA03 B03XA01 B03XA02
Medicine type	Chemical agent
EML status history	First added in 2017 (TRS 1006) for Anaemia due to chronic disease Application rejected in 2025 (TRS 1064) for Drug-induced aplastic anaemia
Wikipedia	Erythropoiesis-stimulating agents
DrugBank	Erythropoiesis-stimulating agents (Erythropoietin)

Recommendations

Section Antianaemia medicines

- Parenteral > General injections > unspecified: 1000 IU per 0.5 mL pre-filled syringe; 2000 IU per 0.5 mL pre-filled syringe; 3000 IU per 0.3 mL pre-filled syringe; 4000 IU per 0.4 mL pre-filled syringe; 5000 IU per 0.5 mL pre-filled syringe; 6000 IU per 0.6 mL pre-filled syringe; 8000 IU per 0.8 mL pre-filled syringe; 10000 IU per 1 mL pre-filled syringe; 20000 IU per 0.5 mL pre-filled syringe; 40000 IU per 1 mL pre-filled syringe

Indications

Anaemia due to chronic disease

Section Supportive medicines

- Parenteral > General injections > unspecified: 2000 IU per mL in vial (single-dose); 3000 IU per mL in vial (single-dose); 4000 IU per mL in vial (single-dose); 10000 IU per mL in vial (single-dose); 40000 IU per mL in vial (single-dose); 20000 IU per mL in vial (multiple-dose); 20000 IU per 2 mL in vial (multiple-dose)

Indications

Drug-induced aplastic anaemia