

Epinephrine

Essential medicine status

General description

Epinephrine (adrenaline) is an adrenal hormone with sympathomimetic activity. It has multiple therapeutic uses including management of severe allergic reactions (anaphylaxis), and management of life-threatening emergencies such as cardiac arrest, severe asthma and in cardiopulmonary resuscitation.

INN

Epinephrine

ATC codes

[C01CA24](#) [S01EA01](#) [R03AA01](#)

Medicine type

Biological agent

EML status history

First added in 1977 ([TRS 615](#)) for [Asthma](#)

Added in 1979 ([TRS 641](#)) for [Anaphylaxis](#)

Added in 1979 ([TRS 641](#)) for [Primary open-angle glaucoma](#)

Added in 1997 ([TRS 882](#)) for [Cardiac arrest](#)

Added in 2003 ([TRS 920](#)) for [Chronic obstructive pulmonary disease](#)

Wikipedia

[Epinephrine](#)

DrugBank

[Epinephrine](#)

Recommendations

Section

Antiallergics and medicines used in anaphylaxis

- Parenteral > General injections > unspecified: 1 mg in 1 mL ampoule (as hydrochloride or hydrogen tartrate)

Indications

[Anaphylaxis](#)

Section

Antiarrhythmic medicines

- Parenteral > General injections > IV: 100 µg per mL in 10 mL ampoule (as acid tartrate or hydrochloride)

Indications

[Cardiac arrest](#)

Section

Ophthalmological preparations > Mydriatics

- Local > Ophthalmological > Solution (eye drops): 2% (as hydrochloride)

Indications

[Primary open-angle glaucoma](#)

Section

Antiasthmatic and medicines for chronic obstructive pulmonary disease

- Parenteral > General injections > unspecified: 1 mg per mL in ampoule (as hydrochloride or hydrogen tartrate)

Indications

[Asthma](#) [Chronic obstructive pulmonary disease](#)