**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.

<table>
<thead>
<tr>
<th>INN</th>
<th>Epinephrine</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATC codes</td>
<td>C01CA24 S01EA01 R03AA01</td>
</tr>
<tr>
<td>Medicine type</td>
<td>Biological agent</td>
</tr>
</tbody>
</table>

**EML status history**

- First added in 1977 (TRS 615) for Asthma
- Added in 1979 (TRS 641) for Anaphylaxis
- Added in 1979 (TRS 643) for Primary open-angle glaucoma
- Added in 1997 (TRS 882) for Cardiac arrest
- Added in 2003 (TRS 920) for Chronic obstructive pulmonary disease

**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