

RACEMIC EPINEPHRINE
Vaponefrin

PHARMACOLOGICAL CLASSIFICATION:

-adrenergic (sympathetic agonist)

THERAPEUTIC CLASSIFICATION:

-bronchodilator

MECHANISM OF ACTION:

-stimulates both alpha and beta adrenergic receptors
-relaxes bronchial smooth muscle, resulting in bronchodilation

INDICATIONS:

-croup
-bronchial asthma
-laryngeal edema associated with anaphylaxis

CONTRAINDICATIONS:

-epiglottitis
-severe tachyarrhythmias

PRECAUTIONS:

-use with caution in elderly patients, patients with history of cardiac disease, or cardiac arrhythmias

SIDE EFFECTS:

-CNS: headache
-CV: palpitations, angina, tachycardia
-excessive use may result in paradoxical bronchospasm

INTERACTIONS:

-use with antihistamines or tricyclic antidepressants may cause adverse cardiac effects

DOSAGE:

-dilute 0.5 mL of a 2.25% solution (1:1000) in 2 mL of normal saline and administer by nebulizer over 10 to 15 minutes

PEDIATRIC DOSAGE:

-Under 20 kg:
-dilute 0.25 mL of a 2.25% solution in 2-3 mL of normal saline and administer by nebulizer over 10-15 minutes
-Over 20 kg:
-dilute 0.5 mL of a 2.25% solution in 2-3 mL of normal saline and administer by nebulizer over 10-15 minutes