

Size : 82 x 190 mm

POM

AMINOPHYLLINE TABLETS BP 100mg

Composition :

Each filmcoated tablet Contains:

Aminophylline BP

Eq. to Anhydrous

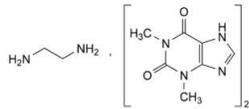
Aminophylline 100mg

Excipients q.s.

Color:-Red Iron of oxide

DESCRIPTION

Aminophylline Tablets contain Aminophylline



Aminophylline is White or slightly yellowish powder, sometimes granular, hygroscopic. Freely soluble in water (the solution becomes cloudy through absorption of carbon dioxide), practically insoluble in anhydrous ethanol.

CLINICALPHARMACOLOGY

Bronchodilating action: Aminophylline acts at the cellular level after it's converted to theophylline. (Aminophylline [theophylline ethylenediamine] is 79% theophylline.) Theophylline acts by either inhibiting phosphodiesterase or blocking adenosine receptors in the bronchi, thereby relaxing smooth muscle. Drug also stimulates the respiratory center in the medulla and prevents diaphragmatic fatigue. Absorption: Most dosage forms are absorbed well; absorption of the suppository, however, is unreliable and slow. Rate and onset of action also depend on the dosage form selected. Food may alter the rate, but not the extent of absorption, of oral doses.

Distribution: Distributed in all tissues and extracellular fluids except fatty tissue. Metabolism: Converted to theophylline, then metabolized to inactive compounds. Excretion: Excreted in urine as theophylline (10%).

INDICATIONS AND USAGE

It is indicated for the treatment of the Symptomatic relief of acute bronchospasm & Chronic bronchial asthma.

DOSAGE AND ADMINISTRATION

Symptomatic relief of acute bronchospasm

Patients not currently receiving theophylline who need rapid relief of symptoms:

Loading dose is 6 mg/kg.

Chronic bronchial asthma

Adults and children: 16 mg/kg or 400 mg (whichever is less) daily in three or four divided doses q 6 to 8 hours if using rapidly absorbed dosage forms. Dosage may be increased, if tolerated, in increments of 25% q 2 to 3 days. Alternatively, if using extended-release preparations, 12 mg/kg or 400 mg (whichever is less) daily in two or three divided doses q 8 to 12 hours. Dosage may be increased, if tolerated, by 2 to 3 mg/kg daily q 3 days.

Regardless of dosage form, the following are recommended maximum doses. For adults and children age 16 and older, 13 mg/kg daily or 900 mg daily (whichever is less); for children ages 12 to 16, 18 mg/kg daily; for children ages 9 to 12, 20 mg/kg daily; and for children ages 1 to 9, 24 mg/kg daily. When recommended maximum dose is reached, dosage adjustment is based on peak serum theophylline levels. Monitor serum levels to ensure that theophylline levels range from 10 to 20 mcg/ml.

CONTRAINDICATIONS

Aminophylline Tablets are contraindicated in patients with a history of hypersensitivity to theophylline or other components in the product including ethylenediamine.

WARNINGS

Pregnancy

This medicine is not recommended for use by women who are pregnant unless absolutely necessary and the benefits outweigh the risks associated. Consult your doctor before using this medicine.

Breast-feeding

This medicine is not recommended for use by women who are breastfeeding unless necessary.

DRUG INTERACTIONS

Drug-drug. Alkali-sensitive drugs: Reduce aminophylline activity. Don't add these drugs to I.V. fluids containing aminophylline.

Allopurinol (high dose), cimetidine, corticosteroids, erythromycin, interferon, mexiletine, oral contraceptives, propranolol, quinolones, troleandomycin: May increase serum aminophylline level by decreasing hepatic clearance. Use together cautiously.

Aminogluthethimide, carbamazepine, phenobarbital, phenytoin, rifampin: Decrease aminophylline effects. Use together cautiously.

Lithium: Increases lithium excretion. Monitor lithium levels.

Drug-lifestyle. Tobacco and marijuana use: Decrease aminophylline effects. Discourage use.

ADVERSE REACTIONS

CNS: nervousness, restlessness, headache, insomnia, seizures, muscle twitching, irritability, fever.

CV: palpitations, sinus tachycardia, extrasystoles, flushing, marked hypotension, arrhythmias.

GI: nausea, vomiting, diarrhea, epigastric pain, hematemesis.

Metabolic: hyperglycemia, increased urinary catecholamines.

Respiratory: tachypnea, respiratory arrest.

Skin: urticaria.

Other: local irritation

STORAGE :

Store below 30°C.

Protect from light & moisture.

Keep out of reach of children.

PACKING :

AMINOPHYLLINE TABLETS BP 100mg is available in 1000 Tablets Jar.

Manufactured in India by:

ANGEL BIOGENICS PVT. LIMITED

Shapar-Veraval, Dist. Rajkot - 360024

At : PF-23, GIDC Industrial Estate,

Sanand-II, Ahmedabad-382110 (India.)

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