

## Composition:

**Doxair** Tablet: Each film coated tablet contains Doxophylline INN 400 mg.

## Description:

Doxophylline is a new generation xanthine derivative which has a dioxolane group at N-7 position of its chemical structure. Doxophylline inhibits phosphodiesterase activities. Moreover, Doxophylline appears to have a less affinity towards adenosine A1 and A2 receptors which is account for the better safety profile of the drug. Doxophylline also inhibits platelet activating factor and the generation of leukotrienes.

## Indication:

**Doxair** (Doxophylline) is indicated for asthma, COPD and bronchospasm.

## Dosage & Administration:

**Adult:** 400 mg (1 tablet) daily in the evening. However, in certain cases, 400 mg twice daily is recommended on the basis of the clinical response. Doses as high as 1200 mg/day (400 mg, 3 times daily) may also be prescribed.

**Children (above 6 years of age):** The recommended dosage of Doxophylline is 6 mg/kg twice daily. The dose may be increased up to 18 mg/kg daily on the basis of clinical response.

## OR AS DIRECTED BY THE PHYSICIAN.

## Side Effects:

Possible side effects are nausea, vomiting, headache, upset stomach and heartburn.

## Contraindications:

Doxophylline is contraindicated in individuals who have shown hypersensitivity to its components. It is also contraindicated in patients with acute myocardial infarction and hypotension.

## Precautions:

The half-life of xanthine derivative may be prolonged

in patients with liver disease, congestive heart failure and in those patients taking certain other drugs (Erythromycin, Lincomycin, Allopurinol, Cimetidine, Propranolol and anti-flu vaccine). In these cases, a lower dose of Doxophylline may be needed. Phenytoin and other anticonvulsants may cause shorter mean half-life and in these cases higher doses of Doxophylline may be needed.

**Use in pregnancy:** Animal reproduction studies indicate that Doxophylline does not cause fetal harm when administered to pregnant animals or can not affect reproduction capacity. However, since there is limited experience in human during pregnancy, Doxophylline should be given to pregnant women only if clearly needed.

**Use in nursing mothers:** Doxophylline is contraindicated in nursing mothers.

**Use in elderly patients:** In elderly patients with concomitant cardiovascular, hepatic & renal diseases recommended dosage should be ½ tablet (200 mg) twice daily.

## Drug Interaction:

Doxophylline should not be administered together with other xanthine derivatives. Toxic synergism with ephedrine has been documented for xanthines. Like other xanthines, concomitant therapy with Erythromycin, Lincomycin, Allopurinol, Cimetidine, Ranitidine, Propranolol and anti-flu vaccine may decrease the hepatic clearance of xanthines causing an increase in blood levels.

## Storage :

Keep in a cool and dry place, protect from light. Keep out of the reach of children.

## Presentation:

**Doxair** Tablet: Each box contains 3x10's tablets in blister pack.