PIZOTIFEN 0.5MG TABLETS (PL 16363/0007)

PIZOTIFEN 1.5MG TABLETS (PL 16363/0008)

UKPAR

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PIZOTIFEN 0.5MG TABLETS (PL 16363/0007)

PIZOTIFEN 1.5MG TABLETS (PL 16363/0008)

LAY SUMMARY

On 22nd November 2007, the MHRA granted Milpharm Limited Marketing Authorisations (licences) for the medicinal products Pizotifen 0.5mg and 1.5mg Tablets (PL 16363/0007-8). These are prescription-only medicines (POM) for the prevention of recurrent migraine headaches.

Pizotifen 0.5mg and 1.5mg Tablets contain the active ingredient pizotifen hydrogen maleate, which belongs to a group of medicines known as antiserotonins. These medicines work by blocking chemicals that act on blood vessels in the brain.

No new or unexpected safety concerns arose from these applications and it was therefore judged that the benefits of taking Pizotifen 0.5mg and 1.5mg Tablets outweigh the risks, hence Marketing Authorisations have been granted.
PIZOTIFEN 0.5MG TABLETS (PL 16363/0007)

PIZOTIFEN 1.5MG TABLETS (PL 16363/0008)

SCIENTIFIC DISCUSSION

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INTRODUCTION

Based on the review of the data on quality, safety and efficacy, the UK granted marketing authorisations for the medicinal products Pizotifen 0.5mg and 1.5mg Tablets (PL 16363/0007-8) on 22nd November 2007 to Milpharm Limited.

These are applications for two strengths of Pizotifen Tablets, submitted as generic applications according to Article 10(1) of Directive 2001/83/EC. They cross-refer to the reference products Sanomigran Tablets 0.5mg and 1.5mg, which were originally licensed to Sandoz, but are currently with Novartis. The reference products were originally granted in March 1974, fulfilling the 10-year rule.

The products contain the active ingredient pizotifen hydrogen maleate, an antiserotonin (serotonin antagonist) acting mainly on 5-HT₁, 5-HT₂A and 5-HT₂C receptors. It also has some activity as an antihistamine.

Pizotifen 0.5mg and 1.5mg Tablets are indicated for the prophylactic treatment of recurrent vascular headaches, including classical migraine, common migraine and cluster headache (periodic migrainous neuralgia).
PHARMACEUTICAL ASSESSMENT

DRUG SUBSTANCE

Pizotifen hydrogen maleate

INN: Pizotifen hydrogen maleate
Chemical name: 4-(1-methyl-4-piperidylidene)-9,10-dihydro-4H-benzo-[4,5(cyclohepta[1,2-b( thiophene hydrogen maleate

Structure:

\[
\begin{align*}
\text{CAS registry number: } & 15574-96-6 \\
\text{Physical form: } & \text{White or slightly yellowish white, crystalline powder, odourless or almost odourless.} \\
\text{Molecular formula: } & \text{C}_{19}\text{H}_{21}\text{NS}, \text{C}_{4}\text{H}_{6}\text{O}_{5} \\
\text{Molecular weight: } & 429.54
\end{align*}
\]

Synthesis of the drug substance from the designated starting materials has been adequately described and appropriate in-process controls and intermediate specifications are applied. Satisfactory specification tests are in place for all starting materials and reagents and these are supported by relevant certificates of analysis.

An appropriate specification is provided for the active substance pizotifen hydrogen maleate. Analytical methods have been appropriately validated and are satisfactory for ensuring compliance with the relevant specifications. Batch analysis data are provided and comply with the proposed specification.

The drug substance is packed in polyethylene bottles, which are placed in fibre drums. Satisfactory specifications have been provided for all packaging. Confirmation has been provided that the polyethylene bottles are suitable for the packaging of food and comply with relevant European Pharmacopoieial requirements.

Appropriate stability data have been generated supporting a shelf life of 60 months, when stored at room temperature, in an airtight container and protected from light.
DRUG PRODUCT

Other ingredients
Other ingredients consist of pharmaceutical excipients, namely lactose monohydrate, microcrystalline cellulose, maize starch, povidone K30, magnesium stearate, silicon dioxide, water purified, hydroxypropylmethylcellulose, polyethylene glycol, talc, titanium dioxide and water purified. All excipients used comply with their respective Ph Eur monograph. Satisfactory certificates of analysis have been provided for all excipients.

With the exception of lactose monohydrate, none of the excipients used contain material of animal or human origin. An assurance has been provided that the lactose used to produce lactose monohydrate is sourced from healthy animals under the same conditions as milk for human consumption, using calf rennet.

No genetically modified organisms (GMO) have been used in the preparation of these products.

Product development
The applicant has provided a suitable product development rationale and data.

Satisfactory assay, impurity and dissolution data have been provided, showing that the proposed products are comparable to the originator products.

Manufacture
A description and flow-chart of the manufacturing method have been provided. Satisfactory batch formulae have been provided.

In-process controls are satisfactory based on process validation data and controls on the finished product. Process validation has been carried out on batches of each strength. The results appear satisfactory.

Finished product specification
The finished product specification is satisfactory. Test methods have been described and have been adequately validated as appropriate. Batch data have been provided and comply with the release specification. Certificates of analysis have been provided for any working standards used.

Container Closure System
The product is packaged in polyvinylchloride/aluminium/polyvinylidene chloride blisters, which are stored in cardboard boxes. Batch size is 60 tablets for the 0.5mg strength and 28 tablets for the 1.5mg strength. Satisfactory specifications and certificates of analysis for all packaging have been provided.

Stability
Finished product stability studies have been conducted in accordance with current guidelines. Based on the results, a shelf-life of 48 months has been set with the precautions ‘Protect from light’, ‘Store below 25°C’ and ‘Store in original container’. These are satisfactory.
Bioequivalence
See Clinical Assessment.

ADMINISTRATIVE
Expert Report
A pharmaceutical expert report has been written by a suitably qualified person and is satisfactory.

Summary of Product Characteristics (SPC)
The proposed SPC is pharmaceutically satisfactory.

Patient Information Leaflet (PIL)
The PIL is pharmaceutically satisfactory. The marketing authorisation holder has provided a commitment to update the marketing authorisation no later than 1st July 2008 with a package leaflet in compliance with Article 59 of Council Directive 2001/83/EC and that the leaflet shall reflect the results of consultation with target patient groups.

Labels
The labels are pharmaceutically satisfactory.

MAA Forms
These are satisfactory.

CONCLUSION
It is recommended that Marketing Authorisations are granted for these applications.

The requirements for a generic medicinal product have been met with respect to qualitative and quantitative content of the active substance. In addition, similar dissolution, impurity and assay profiles have been demonstrated for the proposed and reference products.
PRECLINICAL ASSESSMENT

These applications for generic products claim essential similarity to Sanomigran Tablets 0.5mg and 1.5mg (Novartis, UK), which have been licensed within the EEA for over 10 years.

No new preclinical data have been provided with these applications and none are required for applications of this type.
CLINICAL ASSESSMENT

CLINICAL PHARMACOLOGY
The applicant has submitted data from a single comparative bioequivalence study. The study was a single-dose, randomised, two-way, crossover study in healthy fasted volunteers comparing the proposed Pizotifen 1.5mg Tablets versus the UK reference product Sanomigran Tablets 1.5mg (Novartis, UK).

Blood samples were taken pre- and up to 72 hours post dose, with a 14-day washout period between doses. Pharmacokinetic parameters ($C_{\text{max}}$, $T_{\text{max}}$, AUC$_{0-4}$, AUC$_{0-\infty}$) were determined and 90% confidence intervals calculated for AUC and $C_{\text{max}}$. The results of these are summarised below:

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Pizotifen E.P. (mean ± S.D.)</th>
<th>Sanomigran (mean ± S.D.)</th>
<th>Ratio test/ref (%)</th>
<th>90% CI</th>
</tr>
</thead>
<tbody>
<tr>
<td>$C_{\text{max}}$ (ng/ml)</td>
<td>8.625 ± 1.496</td>
<td>8.685 ± 1.503</td>
<td>99.3</td>
<td>91.1 – 108.3</td>
</tr>
<tr>
<td>$T_{\text{max}}$ (h)</td>
<td>2.52 ± 0.98</td>
<td>2.75 ± 1.50</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>AUC 0-4 (ng/ml*h)</td>
<td>111.451 ± 10.605</td>
<td>105.866 ± 7.681</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>AUC 0-∞ (ng/ml*h)</td>
<td>122.088 ± 11.817</td>
<td>116.998 ± 9.018</td>
<td>104.3</td>
<td>99.9 – 108.7</td>
</tr>
</tbody>
</table>

The 90% confidence limits are within the 80% to 125% range, so bioequivalence can be accepted. As these products meet all the criteria as specified in the Note for Guidance on the investigation of bioavailability and bioequivalence (CPMP/EWP/QWP/1401/98), the results and conclusions of the bioequivalence study on the 1.5mg strength can be extrapolated to the 0.5mg strength tablets.

EFFICACY
No new data have been provided.

SAFETY
No new data have been provided.

EXPERT REPORTS
The expert report is written by an appropriately qualified Doctor.

SUMMARY OF PRODUCT CHARACTERISTICS (SPC)
These are consistent with those for the reference products and are satisfactory.

PATIENT INFORMATION LEAFLET (PIL)
This is consistent with the SPC and is satisfactory.

LABELLING
These are satisfactory.

APPLICATION FORM (MAA)
This is clinically satisfactory.
DISCUSSION
The applicant has satisfactorily demonstrated bioequivalence between the 1.5mg strengths of test and originator products. As these products meet all the criteria as specified in the Note for Guidance on the investigation of bioavailability and bioequivalence (CPMP/EWP/QWP/1401/98), the results and conclusions of the bioequivalence study on the 1.5mg strength can be extrapolated to the 0.5mg strength tablets.

MEDICAL CONCLUSION
It is recommended that Marketing Authorisations are granted for these applications.
OVERALL CONCLUSION AND RISK BENEFIT ASSESSMENT

QUALITY
The important quality characteristics of Pizotifen 0.5mg and 1.5mg Tablets are well-defined and controlled. The specifications and batch analytical results indicate consistency from batch to batch. There are no outstanding quality issues that would have a negative impact on the benefit/risk balance.

PRECLINICAL
No new preclinical data were submitted and none are required for applications of this type.

EFFICACY
Bioequivalence has been demonstrated between the applicant’s Pizotifen 1.5mg Tablets and the reference product Sanomigran Tablets 1.5mg (Novartis, UK). As these products meet all the criteria as specified in the Note for Guidance on the investigation of bioavailability and bioequivalence (CPMP/EWP/QWP/1401/98), the results and conclusions of the bioequivalence study on the 1.5mg strength can be extrapolated to the 0.5mg strength tablets.

No new or unexpected safety concerns arise from these applications.

The SPC, PIL and labelling are satisfactory and consistent with that for Sanomigran Tablets.

RISK BENEFIT ASSESSMENT
The quality of the product is acceptable and no new preclinical or clinical safety concerns have been identified. Extensive clinical experience with pizotifen is considered to have demonstrated the therapeutic value of the compound. The risk benefit is, therefore, considered to be positive.
### STEPS TAKEN FOR ASSESSMENT

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<tbody>
<tr>
<td>1</td>
<td>The MHRA received the marketing authorisation applications on 9th November 2001</td>
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<tr>
<td>2</td>
<td>Following standard checks and communication with the applicant the MHRA considered the applications valid on 10th December 2001</td>
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<tr>
<td>5</td>
<td>The applications were determined on 14th November 2007</td>
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PIZOTIFEN 0.5MG TABLETS (PL 16363/0007)

PIZOTIFEN 1.5MG TABLETS (PL 16363/0008)

STEPS TAKEN AFTER AUTHORISATION - SUMMARY

<table>
<thead>
<tr>
<th>Date submitted</th>
<th>Application type</th>
<th>Scope</th>
<th>Outcome</th>
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SUMMARY OF PRODUCT CHARACTERISTICS

1 NAME OF THE MEDICINAL PRODUCT
Pizotifen 0.5mg Tablets

2 QUALITATIVE AND QUANTITATIVE COMPOSITION
Each tablet contains 0.725mg Pizotifen hydrogen malate equivalent to 0.5mg Pizotifen base
For excipients; see section 6.1

3 PHARMACEUTICAL FORM
Film coated tablets

White coloured film-coated tablets with P05 embossed on one side.

4 CLINICAL PARTICULARS

4.1 Therapeutic indications
Prophylactic treatment of recurrent vascular headaches, including classical migraine, common migraine and cluster headache (periodic migrainous neuralgia).

4.2 Posology and method of administration
Adults: Usually 1.5mg daily. This may be taken as a single dose at night or in three divided doses. Dosage should be adjusted to individual patient requirements up to a maximum of 4.5mg daily. Up to 3mg may be given as a single dose.

Children: Up to 1.5 mg daily in divided dose. Use of 1.5mg tablets is not recommended. The appropriate paediatric doses may be given using 0.5mg tablets. Although up to 1mg has been given as a single dose at night.

Use in Elderly: Clinical work has not shown elderly patients to require different dosage from younger patients.

4.3 Contraindications
Known hypersensitivity to pizotifen or any of the excipient used in formulation.

4.4 Special warnings and precautions for use
Although the anticholinergic activity of pizotifen is relatively weak, caution is required in the presence of closed angle glaucoma and in patients with a predisposition to urinary retention. Dosage adjustment may be necessary in patients with kidney insufficiency.

Patients with rare hereditary problems of galactose intolerance, the Lapp lactase deficiency or glucose-galactose malabsorption should not take this medicine.

4.5 Interaction with other medicinal products and other forms of interaction
The central effects of sedatives, hypnotics, antihistamines (including certain common cold preparations) and alcohol may be enhanced by pizotifen.

4.6 Pregnancy and lactation
As clinical data in pregnancy is very limited, it should only be administered under compelling circumstances.

Although the concentration of pizotifen in milk is not likely to affect the infants, its use in nursing mothers is not recommended.

4.7 Effects on ability to drive and use machines
Patients should be cautioned about the possibility of drowsiness and informed of its significance in the driving of vehicles and the operation of machinery.

4.8 Undesirable effects
The most commonly occurring side-effects are drowsiness and an increased appetite, which may lead to an increase in body weight. Other side effects such as dizziness, dry mouth,
nausea and constipation have been reported infrequently. Rare instances of sleep disorders, depression and other mood disturbances have occurred. In children CNS stimulation may occur.

4.9 Overdose
Symptoms of overdosage may include drowsiness, dizziness, hypotension, dryness of mouth, confusion, excitatory states (in children), ataxia, nausea, vomiting, dyspnoea, cyanosis, convulsions (particularly in children), coma and respiratory paralysis.

Treatment: Administration of activated charcoal is recommended; in case of very recent intake, gastric lavage may be considered. Severe hypotension must be corrected (CAVE: adrenaline may produce paradoxical effects). If necessary, symptomatic treatment including monitoring of the cardiovascular and respiratory systems. Excitatory states or convulsions may be treated with short acting benzodiazepines.

5 PHARMACOLOGICAL PROPERTIES
5.1 Pharmacodynamic properties
Pharmacodynamic studies demonstrate pizotifen to have powerful anti-serotonin and anti-tryptaminic properties, marked anti-histaminic effects and some antagonistic activity against kinins. It also possesses weak anti-cholinergic effects and sedative properties.

Pizotifen also possesses appetite-stimulating properties. The prophylactic effect of pizotifen in migraine is associated with its ability to modify humoral mechanisms of headache.

It inhibits the permeability-increasing effect of serotonin and histamine on the affected cranial vessels, thereby checking the transudation of plasmakinin so that the pain threshold of the receptors is maintained at "normal" levels. In the sequence of events leading to migraine attack, depletion of plasma serotonin contributes to loss of tone in the extracranial vessels. Pizotifen inhibits serotonin re-uptake by the platelets, thus maintaining plasma serotonin and preventing the loss of tone and passive distension of the extracranial arteries.

5.2 Pharmacokinetic properties
The absorption of pizotifen is fast (absorption half-life 0.5 to 0.8 hours) and nearly complete (80%). Pizotifen is metabolised with a half-life of about 1hour. The main metabolite (N-glucuronide) is eliminated with a half-life of approximately 23 hours. Protein binding amounts to about 91% and distribution volume is 485 litres. Less than 1% of the administered dose is excreted unchanged in the urine, whereas 55% is excreted as metabolites.

5.3 Preclinical safety data
None stated

6 PHARMACEUTICAL PARTICULARS
6.1 List of excipients
Lactose monohydrate
Microcrystalline cellulose (E460)
Maize starch
Povidone K-30 (E1201)
Magnesium stearate (E572)
Colloidal silicon dioxide (E551)
Hypropomellose (E464)
Polyethylene glycol
Talc (E553b)
Titanium dioxide (E 171)

6.2 Incompatibilities
None

6.3 Shelf life
48 months
6.4 Special precautions for storage
Do not store above 25°C. Protect the tablets from direct light.

6.5 Nature and contents of container
PVC/PVdC Aluminium blisters in cardboard carton. Each blister contains 10 tablets and there are six blisters per carton.

6.6 Special precautions for disposal and handling
None

7 MARKETING AUTHORITY
Milpharm Limited,
Ares,
Odyssey Business Park,
West End Road,
South Ruislip HA4 6QD,
United Kingdom

8 MARKETING AUTHORITY NUMBER(S)
PL 16363/0007

9 DATE OF FIRST AUTHORIZATION/RENEWAL OF THE AUTHORIZATION
21/11/2007

10 DATE OF REVISION OF THE TEXT
21/11/2007

11 DOSIMETRY (IF APPLICABLE)

12 INSTRUCTIONS FOR PREPARATION OF RADIOPHARMACEUTICALS (IF APPLICABLE)
1 NAME OF THE MEDICINAL PRODUCT
Pizotifen 1.5mg Tablets

2 QUALITATIVE AND QUANTITATIVE COMPOSITION
Each tablet contains 2.175mg Pizotifen hydrogen malate equivalent to 1.5mg Pizotifen base.
For excipients; see section 6.1

3 PHARMACEUTICAL FORM
Film coated tablets
White coloured film-coated tablets with P15 embossed on one side.

4 CLINICAL PARTICULARS
4.1 Therapeutic indications
Prophylactic treatment of recurrent vascular headaches, including classical migraine, common migraine and cluster headache (periodic migrainous neuralgia).

4.2 Posology and method of administration
Adults: Usually 1.5mg daily. This may be taken as a single dose at night or in three divided doses. Dosage should be adjusted to individual patient requirements up to a maximum of 4.5mg daily. Up to 3mg may be given as a single dose.

Children: Up to 1.5 mg daily in divided dose. Use of 1.5mg tablets is not recommended. The appropriate paediatric doses may be given using 0.5mg tablets. Although up to 1mg has been given as a single dose at night.

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Although the concentration of pizotifen in milk is not likely to affect the infants, its use in nursing mothers is not recommended.

4.7 Effects on ability to drive and use machines
Patients should be cautioned about the possibility of drowsiness and informed of its significance in the driving of vehicles and the operation of machinery.

4.8 Undesirable effects
The most commonly occurring side-effects are drowsiness and an increased appetite, which may lead to an increase in body weight. Other side effects such as dizziness, dry mouth, nausea and constipation have been reported infrequently. Rare instances of sleep disorders,
depression and other mood disturbances have occurred. In children CNS stimulation may occur.

4.9 Overdose
Symptoms of overdosage may include drowsiness, dizziness, hypotension, dryness of mouth, confusion, excitatory states (in children), ataxia, nausea, vomiting, dyspnoea, cyanosis, convulsions (particularly in children), coma and respiratory paralysis.

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5.3 Preclinical safety data
None stated

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Povidone K-30 (E1201)
Magnesium stearate (E572)
Colloidal silicon dioxide (E551)
Hypermellose (E464)
Polyethylene glycol
Talc (E553b)
Titanium dioxide (E 171)

6.2 Incompatibilities
None

6.3 Shelf life
48 months
6.4 Special precautions for storage
Do not store above 25°C. Protect the tablets from direct light.

6.5 Nature and contents of container
PVC/PVdC Aluminium blisters in cardboard carton. Each blister contains 14 tablets and there are two blisters per carton.

6.6 Special precautions for disposal and handling
None

7 MARKETING AUTHORISATION HOLDER
Milpharm Limited,
Ares,
Odyssey Business Park,
West End Road,
South Ruislip HA4 6QD,
United Kingdom

8 MARKETING AUTHORISATION NUMBER(S)
PL 16363/0008

9 DATE OF FIRST AUTHORISATION/RENEWAL OF THE AUTHORISATION
21/11/2007

10 DATE OF REVISION OF THE TEXT
21/11/2007

11 DOSIMETRY (IF APPLICABLE)

12 INSTRUCTIONS FOR PREPARATION OF RADIOPHARMACEUTICALS (IF APPLICABLE)
Milpharm

Patient Information leaflet
KEEP THIS LEAFLET AND READ IT BEFORE YOU TAKE YOUR MEDICINE
YOUR PRESCRIPTION FOR PIZOTIFEN 0.5MG AND 1.5MG TABLETS

PLEASE READ THIS CAREFULLY BEFORE YOU START TO USE YOUR TABLETS.
• This leaflet contains important information about your treatment. If you have any doubts or questions, or you are not sure about anything, ask your doctor or pharmacist.
• Keep this leaflet. You may need to read this again.
• Your medicine has been prescribed for you personally and you should not pass it on to others. It may harm them, even if their symptoms are same as yours.

THIS LEAFLET CONTAINS INFORMATION ON:
1. What are Pizotifen 0.5mg and 1.5mg tablets and what are they used for?
2. Information to read before taking Pizotifen 0.5mg or 1.5mg tablets.
3. How to take your tablets?
4. Can your tablets have any side-effects?
5. Storing your tablets.

The name of your medicine is Pizotifen 0.5mg or 1.5mg tablets. Pizotifen Tablets come in two strengths. One strength is 0.5mg of pizotifen (present as 0.725 mg pizotifen hydrogen malate salt) and the other is 1.5mg of pizotifen (present as 2.175 mg pizotifen hydrogen malate salt). Pizotifen 0.5mg Tablets are film-coated, white coloured tablets with POS on one side. Pizotifen 1.5mg Tablets are film-coated, white coloured tablets with P15 on one side. Pizotifen 0.5mg and 1.5mg looks as illustrated below.

POS  P15

Other ingredients are Lactose monohydrate, Microcrystalline cellulose (E460), Maize starch, Povidone K-30 (E1201), Magnesium stearate (E572), Colloidal silicon dioxide (E551), Hypromellose (E464), Polyethylene glycol, Talc (E553b), Titanium dioxide (E 171).
The Marketing Authorisation holder is Milpharm Limited, Ares, Odyssey Business Park, West End Road, South Ruislip HA4 6QD, United Kingdom.
The tablets are manufactured by: Edmond Pharma s.r.l., Via Dei Giovi, N. 131-20037, Paderno, Italy.

1. WHAT ARE PIZOTIFEN TABLETS AND WHAT ARE THEY USED FOR?
What are Pizotifen 0.5mg and 1.5mg tablets?
Pizotifen belongs to a group of medicines called antiserotonin. These medicines work by blocking chemicals that act on blood vessels in the brain.
Pizotifen 0.5mg Tablets are available in blister packs of 60 tablets.
Pizotifen 1.5mg Tablets are available in blister packs of 28 tablets.
Your doctor may have given you this medicine before from another company and it may have looked slightly different. Either brand will have the same effect.

What are they used for?
Pizotifen tablets are used for the prevention of recurrent migraine headaches.

2. INFORMATION TO READ BEFORE USING PIZOTIFEN TABLETS.
Please take the time to read the following information carefully as this may stop you from being able to take Pizotifen tablets.

When should you NOT take Pizotifen tablets?
Ask yourself the following questions:
• Are you pregnant or is there a chance you may be pregnant?
• Are you breast-feeding?
• Have you ever had an allergic reaction to pizotifen or any of the ingredients in the tablet? (An allergic reaction may include a rash, itching or difficult breathing).
• Do you suffer from glaucoma?
• Do you suffer from retention of urine?
• Do you suffer from kidney problems?
• Are you taking other medicines such as medicines to make you sleep or relax e.g. nitrazepam, diazepam or amylobarbitone?
• Are you taking other medicines such as antihistamines including certain common cold preparations?
• Are you taking other medicines like medicines to lower blood pressure e.g. guanethidine?
• Are you taking any medicines to treat depression (monoamine oxidase inhibitors such as tranylcypromine) and including any that you can buy without prescription?
If the answer to any of these questions is YES and you have not already discussed this with your doctor or pharmacist, you should do so as soon as possible and before taking any tablets.

If you have been told by your doctor that you have an intolerance to some sugars, contact your doctor before taking this medicinal product.

When should you take special care while taking Pizotifen tablets?
You are advised NOT to drink alcohol with this medicine.

Effects on your ability to drive and use machines
Pizotifen tablets may make you feel drowsy. Make sure you are not affected before you drive or operate machinery.

Taking Pizotifen tablets with other medicines:
It is important to check, whether you are or have recently been taking other medicines before you start taking your tablets. Are you taking any of the following medicines?
Make sure that your doctor or pharmacist knows about all the medicines, you are taking including ones you have bought yourself.
Anything that makes you sleepy may make you even sleepier if you are taking pizotifen as well. This includes sleeping pills, sedatives and antihistaminics such as cold and hayfever medicines. It also includes alcohol. It is best not to drink alcohol while taking pizotifen tablets.

3. HOW TO TAKE YOUR TABLETS.
It is important to take the tablets as directed by your doctor. Check the medicine label to see how many tablets to take and how often to take them. If you are not sure, ask your doctor or pharmacist. The tablets should always be taken with plenty of water.

Adults and Elderly
Usually 1.5mg once daily. This may be taken as a single dose at night or in three divided doses. Dosage should be adjusted to individual patient’s requirements up to a maximum of 4.5mg daily. Up to 3mg can be given as a single daily dose.

Children
The doctor will tell you the correct dose for your child, follow their advise.

Swallow these tablets with water. It is very important that you follow your doctor’s instructions as to how many Pizotifen tablets to take, how often to take them and for how long your should continue to take your tablets. It is dangerous to stop without the doctor’s advise.

If you take too many tablets
It is important to stick to the dose on the label of your medicine. If you or someone else swallows several of these tablets all together, contact your doctor, pharmacist or hospital emergency department immediately. Always take any tablets left over with you and also the box, as this will allow easier identification of the tablets.

If you forget to take a dose
If you forget to take a dose, take it as soon as you remember. NEVER take two doses at the same time.

4. CAN YOUR TABLETS HAVE ANY SIDE EFFECTS?

Like all medicines, Pizotifen can have side-effect. These are usually mild.
The most commonly occurring side effects are drowsiness, this is not usually a problem as you can take the tablets in the evening. This will mean that the effect of making you drowsy will help you to sleep.
Some people may feel hungry. If you feel hungrier than usual, try to fill up on fresh low calorie foods. These are much healthier than processed high calorie foods.
Other side-effects such as dizziness, dry mouth, nausea and constipation have been reported infrequently.
If you suffer from any of the side-effects listed above and they are severe or prolonged or if you experience any other side-effects not mentioned on this leaflet, please inform your doctor or pharmacist.

5. STORING YOUR TABLETS.

Store in the original package. Do not store above 25°C, Protect from direct light.
On the label you will find ‘use by’ followed by some numbers. These numbers are the date when the medicine is no longer fit for use. Do not use this medicine after this date. If you have any tablets, which are out of date, return them to your pharmacist for disposal.

Store your tablets in a safe and dry place where children cannot reach them.

Remember: this treatment is for YOU. Only a doctor can prescribe it for you.
Never give it to others.

Date of preparation: September 2007
Pizotifen Tablets 1.5mg
P. L. 16363/0008
Milpharm Ltd  POM

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