



EUROPEAN MEDICINES AGENCY
SCIENCE MEDICINES HEALTH

18 August 2009
EMA/530385/2009
Committee for Medicinal Products for Human Use (CHMP)

Assessment report

Opatanol

Olopatadine

Procedure No.: EMEA/H/C/000407/A45/0013

CHMP assessment report for paediatric use studies submitted according to Article 45 of the Regulation (EC) No 1901/2006

**Assessment Report as adopted by the CHMP with
all information of a commercially confidential nature deleted**

Disclaimer: The assessment report was drafted before the launch of the European Medicines Agency's new corporate identity in December 2009. This report therefore has a different appearance to documents currently produced by the Agency



ADMINISTRATIVE INFORMATION

Invented name of the medicinal product(s):	Opatanol
INN (or common name) of the active substance(s):	olopatadine
MAH (s):	Alcon

I. EXECUTIVE SUMMARY

The MAH has provided no clinical study reports but 24 references. Most of the references provided relate to the use of olopatadine 0.1% eye drops in general. Additional papers relate to the unlicensed olopatadine 0.2% eye drops and olopatadine nasal spray and provide limited evidence of use in children and adolescents respectively

➤ Recommendation

The Rapporteur agrees with the MAH that no further action is required.

II. RECOMMENDATION

III. INTRODUCTION

The MAH has submitted a number of published reports for olopatadine, in accordance with Article 45 of the Regulation (EC) No 1901/2006, as amended on medicinal products for paediatric use.

A short critical expert overview has also been provided.

The MAH stated that the submitted paediatric studies do not influence the benefit risk for Opatanol and that there is no consequential regulatory action.

IV. SCIENTIFIC DISCUSSION

IV.1 Information on the pharmaceutical formulation used in the clinical study(ies)

The only licensed olopatadine is Opatanol is 1mg/ml eye drop solution. The papers included studies using 2mg/ml olopatadine and an olopatadine nasal spray, neither of which is available in the EU.

IV.2 Non-clinical aspects

No non clinical studies have been submitted

IV.3 Clinical aspects

1. Introduction

No clinical study reports were submitted.

The MAH has submitted 24 papers most of which dealt with olopatadine in general in the context of treatment of allergic conjunctivitis.

Specific papers deal with: Olopatadine 0.2%:

Lichtenstein S.J., Pasquine T.A.; Edwards M.R.; Wells D.T.; Robertson S.M., Gross R.D.

Safety and tolerability of olopatadine 0.2% in children and adolescents.

Journal of Ocular Pharmacology and Therapeutics(United States) August 1, 2007 , 23/4 (366-371)

And Lichtenstein et al review of safety and efficacy of olopatadine 0.2%

There is also a paper of a study with Olopatadine 0.6%

Effects of Olopatadine Hydrochloride Nasal Spray 0.6% in the Treatment of Seasonal Allergic Rhinitis: A Phase 111, Multicentre, Randomised, Double-Blind, Active- and Placebo-Controlled Study in Adolescents and Adults by Shah, Nayak, Ratner et al

There is also

One paper (Houchin and Rogol) on Idiopathic Growth Hormone Deficiency (?), and two papers on Lodoxamide

2. Discussion on clinical aspects

In the original dossier for olopatadine 0.1%, there were 268 children and adolescents included among the 900 subjects or patients in the studies of at least 4 weeks duration. Children over 4 years were included in the efficacy studies and safety data were available from children more than 3 years.

Olopatadine 0.1% eye drops were licensed for use in children older than 3 years of age.

The usual dose of the ophthalmic formulation is one drop in each eye twice daily (olopatadine 1 mg/ml) and one a day (olopatadine 2 mg/ml).

The MAH has submitted 24 papers most of which dealt with olopatadine in general in the context of treatment of allergic conjunctivitis.

The clinical expert cites a paper by Chapin MJ, Geroge MA, Abelson MB. Olopatadine: Broadening choices for the treatment of allergic conjunctivitis. Today's Therapeutic Trends 1999;17(1):67-84

This paper mentions a 6-week safety study to evaluate paediatric tolerance of ophthalmic olopatadine 1 mg/ml eye drops in children 3 years of age and older where eye drops were administered three times a day for 6 weeks. Parameters used to assess the efficacy were ocular redness and itching and patient's condition improved after using product.

Results obtained from this study apparently showed no change in visual acuity, no change in slit lamp or any fundus examination findings. There was neither rebound conjunctival hyperaemia nor change in heart rate or blood pressure. With regard to adverse reactions, the report states that there were no significant differences between adults and children. Analysing adverse events, the most frequently reported adverse events were asthenia, foreign body sensation, headache, ocular discomfort, ocular hyperaemia, ocular pruritus and superficial keratitis. All of them were reported with an incidence lower than 1.5 %.

The expert concludes that this mention of this study demonstrates that olopatadine for ophthalmic use is safe in adults but also in children older than 3 years. However, it appears that this study has not been published although the authors state that the data are on file.

The MAH has provided two references to other studies performed to evaluate the safety and efficacy of olopatadine 2 mg/ml eye drops, which is not licensed in the EU.

