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(54) Title: A METHOD FOR SCREENING OF PROSTAGLANDIN COMPOUNDS COMPRISING AN OPTIMAL FORMU-
LATION FOR THE ENHANCEMENT OF HAIR GROWTH AND THE STIMULATION OF FOLLICULAR ANAGEN AND
FORMULATIONS RESULTING THEREFROM

(57) Abstract: A method for developing Prostaglandin F_{2α} analogs for enhancing and sustaining the growth of eye lashes. The
exemplary method first provides a method for determining the ability of a FP receptor agonist test compound having unknown hair
growth ability to induce hair growth in its free acid form. The test compound may then be provided in its amide, or slowly hydrolyz-
ing form and ester form, or rapidly hydrolyzing form to determine the relative hydrolysis rate within corneal tissue. Depending upon
its hair growth ability and relative hydrolysis rates, the Prostaglandin F_{2α} analog in one or more forms may be used as an ingredient in
a binary cosmetic prodrug designed for enhancing and sustaining the growth of eye lashes.



WO 2009/045908 A3

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2008/077901

A. CLASSIFICATION OF SUBJECT MATTER

A61K 31/5575(2006.01)i

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 8 as above

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

STN, PubMed-onlme

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
Y	SHARIF, N A ET AL , "AGONIST ACTIVITY OF BIMATOPROST, TROVOPROST, LATANOPROST, UNOPROSTONE ISOPROPYL ESTERAND OTHER PROSTAGLANDIN ANALOGS A TH CLONED HUMAN CILIARY BODY FP PROSTAGLANDIN RECEPTOR", JOURNAL OF OCULAR PHARMACOLOGY AND THERAPEUTICS, 2002, VoI 18, No 4, pages 313-324 See materials and methods, table 1	1-20
Y	STJERNSCHANTZ, J W ET AL , "FROM PGF2ALPHA-ISOPROYL ESTER TO LATANOPROST A REVIEW OF TITE DEVELOPMENT OF XALATAN", INVESTIGATION OPHTHALMOLOGY & VISUAL SCIENCE, 2001, VoI 42, No 6, pages 1134-1 145 See pages 1141-2, fig 7	1-20
A	US 2004/0082013 A1 (REGAN, J W) 29 April 2004 See the whole document	1-20



Further documents are listed in the continuation of Box C



See patent family annex

* Special categories of cited documents

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Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2004/0082013 A1	29.04.2004	EP 1429648 A2	23.06.2004
		CA 2435510 AA	01.08.2002
		AU 2248322 BB	09.06.2005