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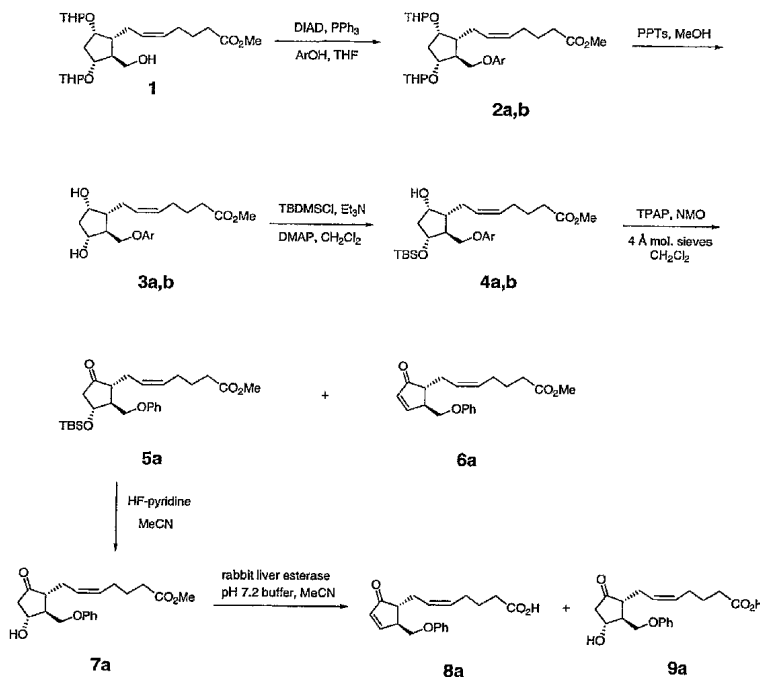
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: SUBSTITUTED CYCLOPENTANES OR CYCLOPENTANONES FOR THE TREATMENT OF OCULAR HYPERTENSIVE CONDITIONS



(57) Abstract: The invention relates to the use of substituted cyclopentanes or cyclopentanones as ocular hypotensives. New Compounds are also provided.

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A. CLASSIFICATION OF SUBJECT MATTER
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 A61K31/192 A61K31/222

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)

C07C A61K

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 practical, search terms used)

EPO-Internal, WPI Data, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 02/26704 A (ALLERGAN SALES, INC) 4 April 2002 (2002-04-04) the whole document -----	1-18
A	US 5 889 052 A (KLIMKO ET AL) 30 March 1999 (1999-03-30) the whole document -----	1-18

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0226704	A	04-04-2002	AT 271542 T 15-08-2004
			AU 8519601 A 08-04-2002
			CA 2423474 A1 04-04-2002
			DE 60104435 D1 26-08-2004
			DE 60104435 T2 28-07-2005
			EP 1320521 A1 25-06-2003
			JP 2004525078 T 19-08-2004
			US 6291522 B1 18-09-2001
			US 2002058692 A1 16-05-2002
US 5889052	A	30-03-1999	NONE