

FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

AL	Albania	ES	Spain	LS	Lesotho	SI	Slovenia
AM	Armenia	FI	Finland	LT	Lithuania	SK	Slovakia
AT	Austria	FR	France	LU	Luxembourg	SN	Senegal
AU	Australia	GA	Gabon	LV	Latvia	SZ	Swaziland
AZ	Azerbaijan	GB	United Kingdom	MC	Monaco	TD	Chad
BA	Bosnia and Herzegovina	GE	Georgia	MD	Republic of Moldova	TG	Togo
BB	Barbados	GH	Ghana	MG	Madagascar	TJ	Tajikistan
BE	Belgium	GN	Guinea	MK	The former Yugoslav Republic of Macedonia	TM	Turkmenistan
BF	Burkina Faso	GR	Greece	ML	Mali	TR	Turkey
BG	Bulgaria	HU	Hungary	MN	Mongolia	TT	Trinidad and Tobago
BJ	Benin	IE	Ireland	MR	Mauritania	UA	Ukraine
BR	Brazil	IL	Israel	MW	Malawi	UG	Uganda
BY	Belarus	IS	Iceland	MX	Mexico	US	United States of America
CA	Canada	IT	Italy	NE	Niger	UZ	Uzbekistan
CF	Central African Republic	JP	Japan	NL	Netherlands	VN	Viet Nam
CG	Congo	KE	Kenya	NO	Norway	YU	Yugoslavia
CH	Switzerland	KG	Kyrgyzstan	NZ	New Zealand	ZW	Zimbabwe
CI	Côte d'Ivoire	KP	Democratic People's Republic of Korea	PL	Poland		
CM	Cameroon	KR	Republic of Korea	PT	Portugal		
CN	China	KZ	Kazakstan	RO	Romania		
CU	Cuba	LC	Saint Lucia	RU	Russian Federation		
CZ	Czech Republic	LI	Liechtenstein	SD	Sudan		
DE	Germany	LK	Sri Lanka	SE	Sweden		
DK	Denmark	LR	Liberia	SG	Singapore		
EE	Estonia						

INTERNATIONAL SEARCH REPORT

Internat | Application No

PCT/US 98/15990

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 6 A61K31/455 A61K31/785 A61K9/20

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 6 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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 260 305 A (DENNICK LEONARD G) 9 November 1993	1-5, 11, 22, 23, 33, 38, 41-46
Y	see column 3, line 27 - column 5, line 2	1-5, 22-26, 38-46
A	see claims 1,4,8	6, 10, 21, 24-27, 37, 39, 40
Y	---	
	EP 0 671 171 A (SQUIBB BRISTOL MYERS CO) 13 September 1995	1-5, 22-26, 38-46
	see page 3, line 9-13; claims 1-3 see page 4, line 36-42 see page 6, line 23-26 see page 5, line 6-10	

	-/--	

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

3 March 1999

Date of mailing of the international search report

10/03/1999

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Kanbier, D

INTERNATIONAL SEARCH REPORT

Internat I Application No

PCT/US 98/15990

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 135 935 A (ALBERTS ALFRED W ET AL) 4 August 1992 see column 5, line 28-41; claims 20-24 see column 5, line 59 - column 6, line 17 ---	1-7, 10, 11, 20-27, 36-38, 41-46, 52, 53
X	ERKELENS: "Combination Drug Therapy with HMG CoA Reductase Inhibitors and Bile Acid Sequestrants for Hypercholesteremia" CARDIOLOGY, vol. 77, no. SUPPL. 04, 1990, pages 33-38, XP002084817 see page 34-36 ---	1-3, 13-16, 38, 41-49, 54
X	EP 0 409 181 A (SQUIBB & SONS INC) 23 January 1991 see page 28, line 34-41; claims 68-71 ---	1-3, 13-16, 20, 21, 38, 41-49, 52-54
X	US 4 933 165 A (BROWN MICHAEL S) 12 June 1990 see column 2, line 31-39 see column 1, line 40-53 ---	1-4, 13, 20, 21
X	EP 0 401 705 A (SQUIBB & SONS INC) 12 December 1990 see page 11-12; claims 1, 7, 8, 12	1-5, 17, 20, 21
A	see page 12, line 25 - page 13, line 12 ---	6
A	WO 96 32942 A (VITAL THERAPEUTICS L L C) 24 October 1996 see page 6-16; claims 1-11; examples 1, 2 ---	14-16, 29-31, 47-49
A	US 5 427 799 A (VALENTINE WILLIAM ET AL) 27 June 1995 ---	1, 4-6
A	PATENT ABSTRACTS OF JAPAN vol. 013, no. 156 (C-585), 14 April 1989 & JP 63 310827 A (SANWA KAGAKU KENKYUSHO CO LTD), 19 December 1988 see abstract -----	1, 4-6, 14, 19, 22, 24-27, 29, 35, 38, 47, 51

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 98/15990

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.: 1-54
because they relate to subject matter not required to be searched by this Authority, namely:
Remark: Although claims 1-54 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. Claims Nos.: -
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
See FURTHER INFORMATION SHEET PCT/ISA/210
3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

A compound is not sufficiently characterized by its mechanism of action or pharmacological profile. For this reason the term "HMG-CoA reductase inhibitor" gives rise to an obscurity (Article 6 PCT) in claims 1, 2, 7, 12, 22, 38 and 46. The same kind of obscurity arises from the terms "flush inhibiting agent" (and "anti-inflammatory agent") in claims 14, 15, 29, 30, 47 and 48. In all three cases, only the general concept and the compounds specifically mentioned in the claims have been searched.

Furthermore, terms like "extended release" do not have a specific meaning and therefore also give rise to an obscurity (Article 6 PCT). Only specific pharmaceutical forms as mentioned in the claims were searched.

INTERNATIONAL SEARCH REPORT

Information on patent family members

Internati Application No

PCT/US 98/15990

Patent document cited in search report	A	Publication date	Patent family member(s)	Publication date
US 5260305	A	09-11-1993	AU 4591289 A CA 2003478 A DK 624189 A EP 0373507 A JP 2223521 A	14-06-1990 12-06-1990 13-06-1990 20-06-1990 05-09-1990
EP 0671171	A	13-09-1995	AU 1022795 A CA 2140498 A JP 7206712 A US 5691375 A US 5674893 A	27-07-1995 19-07-1995 08-08-1995 25-11-1997 07-10-1997
US 5135935	A	04-08-1992	NONE	
EP 0409181	A	23-01-1991	AU 635545 B AU 5900290 A CA 2018470 A HU 210560 B JP 3068591 A NZ 234502 A NZ 244363 A US 5273969 A US 5212164 A	25-03-1993 17-01-1991 17-01-1991 29-05-1995 25-03-1991 27-09-1994 27-09-1994 28-12-1993 18-05-1993
US 4933165	A	12-06-1990	CA 2007983 A,C DE 69001146 T EP 0383432 A JP 2233611 A	18-07-1990 07-10-1993 22-08-1990 17-09-1990
EP 0401705	A	12-12-1990	AU 5495090 A CA 2016467 A JP 3020226 A US H1286 H	06-12-1990 05-12-1990 29-01-1991 01-02-1994
WO 9632942	A	24-10-1996	US 5773453 A AU 5787996 A CA 2218696 A EP 0821587 A	30-06-1998 07-11-1996 24-10-1996 04-02-1998
US 5427799	A	27-06-1995	US 5292534 A CA 2124353 A EP 0632721 A WO 9318758 A	08-03-1994 30-09-1993 11-01-1995 30-09-1993