



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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<p>(21) International Application Number: PCT/EP98/04924</p> <p>(22) International Filing Date: 22 July 1998 (22.07.98)</p> <p>(30) Priority Data: MI97A01789 28 July 1997 (28.07.97) IT</p> <p>(71) Applicant (for all designated States except US): ANGELINI RICERCHE S.P.A. SOCIETA' CONSORTILE [IT/IT]; Piazze della Stazione, I-00040 S. Palomba - Pomezia (IT).</p> <p>(72) Inventors; and (75) Inventors/Applicants (for US only): GUGLIELMOTTI, Angelo [IT/IT]; Via Gaetano Fuggetta, 59, I-00149 Roma (IT). MANTOVANI, Alberto [IT/IT]; Largo Brasilia, 4, I-20146 Milano (IT).</p> <p>(74) Agents: MARCHI, Massimo et al.; Marchi & Partners s.r.l., Via Pirelli, 19, I-20124 Milano (IT).</p>	<p>(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i></p> <p>(88) Date of publication of the international search report: 15 April 1999 (15.04.99)</p>	
<p>(54) Title: A PHARMACEUTICAL COMPOSITION ACTIVE IN REDUCING PRODUCTION OF MCP-1 PROTEIN</p>		
<p>(57) Abstract</p> <p>Use of a compound having formula (I) wherein R and R', the same as or different from each other, are H or an alkyl having from 1 to 5 carbon atoms, R''' is H or an alkyl having from 1 to 4 carbon atoms, and, when R''' is H, salts thereof with pharmaceutically acceptable organic or inorganic bases, for preparing a pharmaceutical composition active in the treatment of disorders characterized by production of MCP-1 protein.</p>	<p>(I)</p>	

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 98/04924

A. CLASSIFICATION OF SUBJECT MATTER

IPC 6 A61K31/415

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	<p>SASO L ET AL: "ABNORMAL GLYCOSYLATION OF HEMOPEXIN IN ARTHRITIC RATS CAN BE BLOCKED BY BINDARIT" JOURNAL OF RHEUMATOLOGY, vol. 19, no. 12, December 1992, pages 1859-1867, XP000645370 * abstract * see page 1865, column 1, paragraph 3 - page 1866, column 1, paragraph 1 --- -/---</p>	1-4

Further documents are listed in the continuation of box C. Patent family members are listed in annex.

* Special categories of cited documents :

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Date of the actual completion of the international search <p style="text-align: center; font-size: 1.2em;">11 February 1999</p>	Date of mailing of the international search report <p style="text-align: center; font-size: 1.2em;">24/02/1999</p>
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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 <p style="text-align: center; font-size: 1.2em;">A. Jakobs</p>
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International Application No

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>CIOLI V ET AL: "A NEW PROTEIN ANTIDENATURANT AGENT, BINDARIT, REDUCES SECONDARY PHASE OF ADJUVANT ARTHRITIS IN RATS" JOURNAL OF RHEUMATOLOGY, vol. 19, no. 11, November 1992, pages 1735-1742, XP000645371 see abstract see page 1736, column 2, paragraph 5 - page 1737, column 1, paragraph 6; table 7</p>	1-5
X	<p>GUGLIELMOTTI A ET AL: "CHRONIC INFLAMMATORY RESPONSE IN THE RAT CAN BE BLOCKED BY BINDARIT" BIOCHEMISTRY INTERNATIONAL, vol. 29, no. 4, March 1993, pages 747-756, XP000645372 see page 753, paragraph 1 - page 755, paragraph 1; figures 2-4</p>	1-5
X	<p>WO 97 16185 A (ANGELINI RICERCHE SPA ;GUGLIELMOTTI ANGELO (IT); DIONISIO PAOLO (I) 9 May 1997 see page 6, line 16 - page 8, line 24; tables 1-3</p>	1-5
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X	<p>EP 0 510 748 A (ANGELINI FRANCESCO IST RICERCA) 28 October 1992 cited in the application see page 2, line 55 - page 3, line 1</p>	1-5
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P,X	<p>CORNA ET AL.: "Bindarit limits renal disease and prolongs survival in murine lupus autoimmune disease." J. AM. SOC. NEPHROL., vol. 9, 1997, page 473A XP002062641 see the whole document</p>	1-4

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
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A	KUNKEL ET AL.: "The role of chemokines in inflammatory joint disease" JOURNAL OF LEUKOCYTE BIOLOGY, vol. 59, no. 1, 1996, page 6-12 XP002062643 * abstract * see page 7, column 2, paragraph 3 - page 8, column 1, paragraph 2 ----	1-5
A	BERKOW ET AL.: "The Merck Manual of diagnosis and therapy" 1987, MERCK SHARP & DOME RESEARCH LABORATORIES, RAHWAY, N.J. XP002093062 67991 see page 319, paragraph 5 - page 329, paragraph 2 ----	1-5
A	US 5 571 713 A (LYLE LEON R ET AL) 5 November 1996 see column 1, line 48 - column 2, line 14; claims 1-3 -----	1-5

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