20000 4398 -4

BCS

PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : C07D 295/00 | A2

(11) International Publication Number: **WO 99/46254**

(43) International Publication Date: 16 September 1999 (16.09.99)

(21) International Application Number: PCT/EP99/01300

(22) International Filing Date: 25 February 1999 (25.02.99)

(30) Priority Data:
9805080.0 10 March 1998 (10.03.98) GB

(71) Applicant *(for all designated States except US)*: PHARMACIA & UPJOHN S.P.A. [IT/IT]; Via Robert Koch, 1.2, I–20152 Milan (IT).

(72) Inventors; and

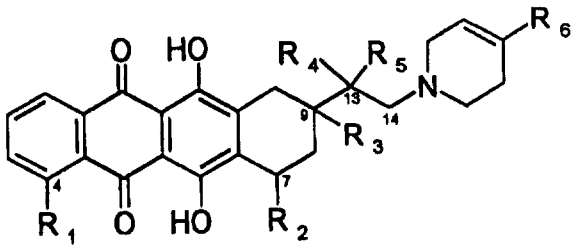
(75) Inventors/Applicants *(for US only)*: BANDIERA, Tiziano [IT/IT]; Corso Vittorio Emanuele, 44, I–27025 Gambolò (IT). FANCELLI, Daniele [IT/IT]; Via Gianella, 21, I–20152 Milan (IT). VARASI, Mario [IT/IT]; Via Moncucco, 24/A, I–20142 Milan (IT). CARUSO, Michele [IT/IT]; Via Desiderio, 3, I–20131 Milan (IT). LANSEN, Jacqueline [BE/IT]; Via Ungaretti, 17, I–20028 San Vittore Olona (IT). SUARATO, Antonino [IT/IT]; Via degli Imbriani, 39, I–20158 Milan (IT).

(81) Designated States: AU, BR, CA, CN, CZ, HU, ID, IL, JP, KR, LT, LV, MX, NO, NZ, PL, RO, SG, SI, UA, US, 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).

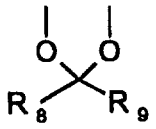
Published
Without international search report and to be republished upon receipt of that report.

DOR: 17/10/00

(54) Title: AMINO ANTHRACYCLINONE DERIVATIVES



(1)



(A)

(57) Abstract

A compound of formula (1), wherein R_1 represents hydrogen, hydroxy, a group of formula OR_7, wherein R_7 is C_1–C_6 alkyl, C_2–C_6 alkenyl; R_2 represents hydrogen, hydroxy, diethylamino, piperidino, tetrahydropyridino or morpholino, and either R_3, taken alone, represents hydrogen or hydroxy, and R_4 and R_5, taken alone, independently represent hydrogen, hydroxy or, taken together with the carbon atom, represent a carbonyl group; or R_3 and R_4, taken together, represent a group of formula (A), wherein R_8 and R_9 represent a C_1–C_6 alkyl and R_5 represents hydrogen; R_6 represents hydrogen or a phenyl group, optionally substituted by methyl, methoxy or halogen and the pharmaceutically acceptable salt thereof, is useful in the treatment of amyloidosis. Processes for the preparation and pharmaceutical compositions are also described.

162162

G00001

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			**TR**	Turkey
BG	Bulgaria	**HU**	Hungary	**ML**	Mali	**TT**	Trinidad and Tobago
BJ	Benin	**IE**	Ireland	**MN**	Mongolia	**UA**	Ukraine
BR	Brazil	**IL**	Israel	**MR**	Mauritania	**UG**	Uganda
BY	Belarus	**IS**	Iceland	**MW**	Malawi	**US**	United States of America
CA	Canada	**IT**	Italy	**MX**	Mexico	**UZ**	Uzbekistan
CF	Central African Republic	**JP**	Japan	**NE**	Niger	**VN**	Viet Nam
CG	Congo	**KE**	Kenya	**NL**	Netherlands	**YU**	Yugoslavia
CH	Switzerland	**KG**	Kyrgyzstan	**NO**	Norway	**ZW**	Zimbabwe
CI	Côte d'Ivoire	**KP**	Democratic People's Republic of Korea	**NZ**	New Zealand		
CM	Cameroon			**PL**	Poland		
CN	China	**KR**	Republic of Korea	**PT**	Portugal		
CU	Cuba	**KZ**	Kazakstan	**RO**	Romania		
CZ	Czech Republic	**LC**	Saint Lucia	**RU**	Russian Federation		
DE	Germany	**LI**	Liechtenstein	**SD**	Sudan		
DK	Denmark	**LK**	Sri Lanka	**SE**	Sweden		
EE	Estonia	**LR**	Liberia	**SG**	Singapore		