PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 7 : A61K 38/19, 38/13 // (A61K 38/19, 38:13) | A1

(11) International Publication Number: **WO 00/16796**

(43) International Publication Date: 30 March 2000 (30.03.00)

(21) International Application Number: PCT/EP99/06844

(22) International Filing Date: 16 September 1999 (16.09.99)

(30) Priority Data:
98117697.7 18 September 1998 (18.09.98) EP

(71) Applicant *(for all designated States except US)*: APPLIED RESEARCH SYSTEMS ARS HOLDING N.V. [NL/NL]; Pietermaai 15, Curaçao (AN).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: GRONE, Hermann–Joseph [DE/DE]; Medizinische Poliklinic der Ludwig–Maximilians–Universitat Munchen AG Klinische Biochemie, Schillerstrasse 42, D–80336 Munich (DE). NELSON, Peter, J. [US/US]; Harthauserstrasse 70, D–81545 Munich (DE). PROUDFOOT, Amanda [GB/FR]; Sous Chens, F–74140 Chens Sur Leman (FR). WELLS, Timothy, N., C. [GB/FR]; 712 Route Bellevue, F–01280 Prevessin Moens (FR).

(74) Agent: PIERACCIOLI, Daniele; Istituto Farmacologico Serono SpA, Via Casilina, 125, I–00176 Rome (IT).

(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, 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, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, 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).

Published
With international search report.

(54) Title: CHEMOKINE RECEPTOR ANTAGONIST AND CYCLOSPORIN IN COMBINED THERAPY

(57) Abstract

The use of a chemokine receptor antagonist together with a cyclosporin to produce a pharmaceutical composition for treating or preventing rejection of transplanted organs, tissues or cells is herein disclosed. Said pharmaceutical compositions for the simultaneous, separate or sequential use of its active ingredients for the above specified therapy are also disclosed and claimed. In particular, the use of Met–RANTES together with cyclosporin A to produce a pharmaceutical composition for the treatment of renal allograft transplant rejection is experimentally shown.