9804773-1

IPOS

PCT WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 6 : C07D 487/04, A61K 31/40 — A1

(11) International Publication Number: WO 97/36903

(43) International Publication Date: 9 October 1997 (09.10.97)

(21) International Application Number: PCT/EP97/01530

(22) International Filing Date: 26 March 1997 (26.03.97)

(30) Priority Data:

9606508.1	28 March 1996 (28.03.96)	GB
9623001.6	5 November 1996 (05.11.96)	GB

(71) Applicant *(for all designated States except US)*: GLAXO GROUP LIMITED [GB/GB]; Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex UB6 0NN (GB).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: DOWLE, Michael, Dennis [GB/GB]; (GB). FINCH, Harry [GB/GB]; (GB). HARRISON, Lee, Andrew [GB/GB]; (GB). INGLIS, Graham, George, Adam [GB/GB]; (GB). JOHNSON, Martin, Redpath [GB/GB]; (GB). MACDONALD, Simon, John, Fawcett [GB/GB]; (GB). SHAH, Pritom [GB/GB]; (GB). SMITH, Robin, Andrew [GB/GB]; Glaxo Wellcome plc, Gunnels Wood Road, Stevenage, Hertfordshire SG1 2NY (GB).

(74) Agent: TEUTEN, Andrew, J.; Glaxo Wellcome plc, Glaxo Wellcome House, Berkeley Avenue, Greenford, Middlesex UB6 0NN (GB).

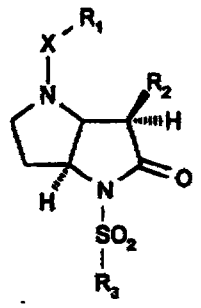
(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG).

Published
With international search report.

(54) Title: PYRROLOPYRROLONE DERIVATIVES AS INHIBITORS OF NEUTROPHIL ELASTASE

(57) Abstract

There are described according to the invention compounds of formula (I) (relative stereochemistry indicated), wherein R_1, R_2, R_3 and X are as defined in the specification, together with processes for preparing them, compositions containing them and their use as pharmaceuticals. Compounds of formula (I) are indicated *inter alia* for the treatment of chronic bronchitis.



(I)