

(19) World Intellectual Property Organization
International Bureau



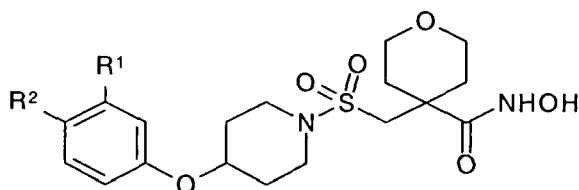
(43) International Publication Date
20 February 2003 (20.02.2003)

PCT

(10) International Publication Number
WO 03/014101 A1

- (51) International Patent Classification⁷: **C07D 309/08**, A61K 31/445, A61P 35/00
- (74) Agent: **CELLTECH R & D LIMITED**; Patents Department, 208 Bath Road, Slough, Berkshire, SL1 3WE (GB).
- (21) International Application Number: PCT/GB02/03656
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, 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, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (22) International Filing Date: 7 August 2002 (07.08.2002)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
0119396.0 9 August 2001 (09.08.2001) GB
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (71) Applicant (*for all designated States except US*): **CELL-TECH R & D LIMITED** [GB/GB]; 208 Bath Road, Slough, Berkshire, SL1 3WE (GB).
- (72) Inventors (*for US only*): **DYKE, Hazel, Joan** [GB/GB]; Celltech R & D Limited, 208 Bath Road, Slough, Berkshire, SL1 3WE (GB). **WATSON, Robert, John** [GB/GB]; Celltech R & D Limited, 208 Bath Road, Slough, Berkshire, SL1 3WE (GB).
- Published:**
— with international search report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: HYDROXAMIC ACID DERIVATIVES



(I)

(57) Abstract: A compound of formula (I) wherein : R¹ and R², which may be the same or different, is each a hydrogen atom or a CF₃, CF₂H or CFH₂ group, provided that when one of R¹ or R² is a hydrogen atom the other is a CF₃, CF₂H or CFH₂ group ; and the salts, solvates or hydrates thereof. The compounds are potent MMP inhibitors which advantageously do not cause tendonitis in a relevant animal model.

The compounds may be expected to be of use in medicine, especially where the avoidance of side effects such as joint pain is desired.