



- (51) **International Patent Classification:**
A01N 29/04 (2006.01) *A61K 31/025* (2006.01)
- (21) **International Application Number:**
PCT/US2012/028971
- (22) **International Filing Date:**
14 March 2012 (14.03.2012)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
61/453,701 17 March 2011 (17.03.2011) US
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- (81) **Designated States (unless otherwise indicated, for every kind of national protection available):** AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ,

CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

- (84) **Designated States (unless otherwise indicated, for every kind of regional protection available):** ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

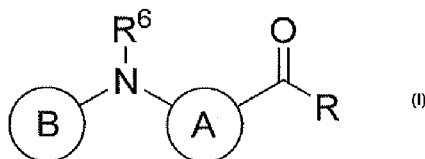
Published:

- with international search report (Art. 21(3))

(88) **Date of publication of the international search report:**

1 May 2014

(54) **Title:** CYCLOHEXANE SUBSTITUTED AMINO CYCLOPENTANE DERIVATIVES AS USEFUL CCR2 ANTAGONISTS



(57) **Abstract:** Disclosed are the CCR2 antagonists of Formula (I): or pharmaceutically acceptable salts thereof, wherein A, B, R, and R⁶ are as defined herein. Also disclosed are pharmaceutical compositions containing the compounds, methods of treatment using the compounds, and compositions to treat diseases or disorders associated with CCR2 activity.



INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 12/28971

A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - A01N 29/04; A61K 31/025 (2012.01) USPC - 514/747 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) USPC - 514/747 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched USPC - 514/753; 514/757; 514/763; 514/766 (see search terms below) Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) USPTO-WEST - PGPB,USPT,USOC,EPAB,JPAB keywords: chemokine receptor activity, modulators, CCR-2, cyclopentyl, amide, treating, autoimmune diseases, rheumatoid arthritis, manufacture, medicament, tetrahydropyranyl, antagonism, pyrrolidinyl, CCR2, CCR5, molecular modeling, docking, binding site, binding pocket, van der Waals interactions. INTERNET sea		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 2005/105092 A2 (YANG et al.) 10 November 2005 (10.11.2005) pg 4, ln 1 - pg 8, ln 25; pg 10, ln 6-8; pg 12, ln 4-9; pg 15, ln 3-8, 21-23; pg 16, ln 5-8, 12-16; pg 36, ln 12-15	1-18
Y	HALL et al. Elucidation of Binding Sites of Dual Antagonists in the Human Chemokine Receptors CCR2 and CCR5. Molecular Pharmacology, 2009, Vol 75(6), pp 1325-1336; pg 1326, col 2, para 2 - pg 1329, col 1, para 3; pg 1331, col 2, para 1 - pg 1332, col 2, para 2; pg 1333, col 2, para 2 - pg 1335, col 2, para 2 Downloaded at http://molpharm.aspetjournals.org/content/75/6/1325.full	1-18
Y	WO 2005/080371 A1 (YANG et al.) 01 September 2005 (01.09.2005) pg 26, ln 22-24; pg 29, ln 12-19; pg 57, ln 1-4, Ex 2	3, 5 and 8-9
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/>		
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means "P" document published prior to the international filing date but later than the priority date claimed "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family		
Date of the actual completion of the international search 04 June 2012 (04.06.2012)		Date of mailing of the international search report 20 JUN 2012
Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201		Authorized officer: Lee W. Young PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774