(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
11 November 2004 (11.11.2004)

PCT

(10) International Publication Number
WO 2004/096148 A2

(51) International Patent Classification[7]: A61K

(21) International Application Number:
PCT/US2004/013099

(22) International Filing Date: 26 April 2004 (26.04.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/465,891 25 April 2003 (25.04.2003) US
10/676,694 30 September 2003 (30.09.2003) US

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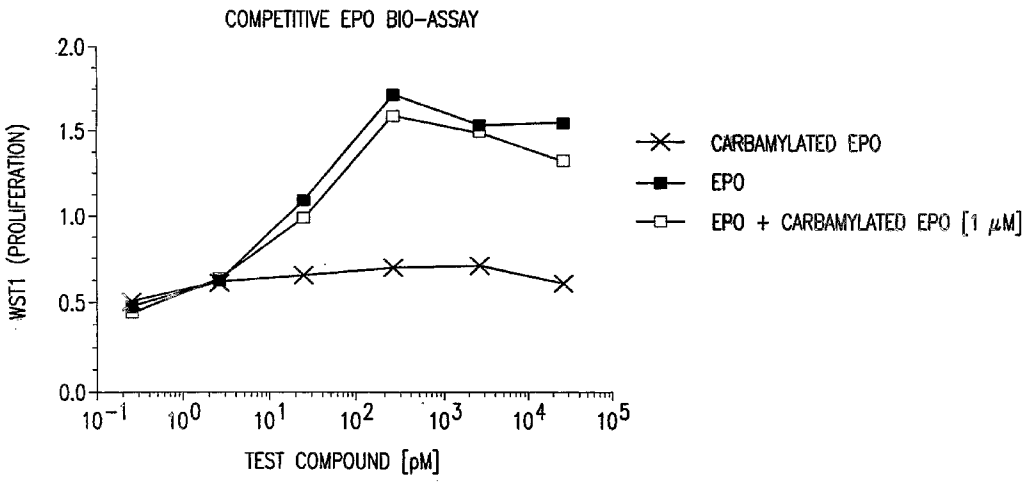
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(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, 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, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,

[Continued on next page]

(54) Title: TISSUE PROTECTIVE CYTOKINE RECEPTOR COMPLEX, ASSAYS FOR IDENTIFYING TISSUE PROTECTIVE COMPOUNDS AND USES THEREOF



(57) Abstract: The present invention is directed methods for identifying compounds that have a tissue protective activity using a heteromultimer receptor complex that mediates the tissue protective activities. The complex consists of at least one EPO-R in complex with at least one βc Receptor. These compounds used in the assays to identify tissue protective compounds include, but are not limited to, small molecules and biologics. The compounds identified using these assays can be used to treat or prevent various diseases, disorders, or conditions of the central and peripheral nervous systems as well as those of other erythropoietin-responsive or excitable cells, tissues, and organs.

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ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— *without international search report and to be republished upon receipt of that report*

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