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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
20 January 2005 (20.01.2005)

PCT

(10) International Publication Number
WO 2005/004793 A3

(51) International Patent Classification[7]: A61K 39/40, 39/42, 39/395, G01N 33/53, C12P 21/08, C07K 16/00

(21) International Application Number:
PCT/US2004/017900

(22) International Filing Date: 4 June 2004 (04.06.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/480,254 19 June 2003 (19.06.2003) US
60/538,892 22 January 2004 (22.01.2004) US

(71) Applicant *(for all designated States except US)*: **SUNOL MOLECULAR CORPORATION** [US/US]; 2810 North Commerce Parkway, Miramar, FL 33025 (US).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: **JIAO, Jin-an** [CN/US]; 2616 S. Grinnell Avenue, Sioux Falls, SD 57106 (US). **WONG, Hing, C.** [US/US]; 2966 Wentworth, Weston, FL 33332 (US). **EGAN, Jack, O.** [US/US]; 373 Jacaranda Drive, Plantation, FL 33324 (US).

(74) Agents: **BUCHANAN, Robert, L.** et al.; Edwards & Angell, LLP, P.O. Box 55874, Boston, MA 02205 (US).

(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, 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:
— *with international search report*
— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

(88) Date of publication of the international search report:
28 July 2005

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: COMPOSITIONS AND METHODS FOR TREATING COAGULATION RELATED DISORDERS

(57) Abstract: Disclosed are methods for preventing or treating sepsis, a sepsis-related condition or an inflammatory disease in a mammal. In one embodiment, the method includes administering to the mammal a therapeutically effective amount of at least one humanized antibody, chimeric antibody, or fragment thereof that binds specifically to tissue factor (TF) to form a complex in which factor X or factor IX binding to the complex is inhibited and the administration is sufficient to prevent or treat the sepsis in the mammal. The invention has a wide spectrum of useful applications including treating sepsis, disorders related to sepsis, and inflammatory diseases such as arthritis.

WO 2005/004793 A3