

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
5 August 2004 (05.08.2004)

PCT

(10) International Publication Number
WO 2004/064730 A2

(51) International Patent Classification⁷: **A61K**
(21) International Application Number:
PCT/US2004/001069

TODD [/US]; *. **TOMASI, Adam, Lewis** [US/US];
1335 Filbert Street #305, San Francisco, CA 94109 (US).
MORGANS, David, J., Jr. [US/US]; 781 Vista Grande
Avenue, Los Altos, CA 94024 (US).

(22) International Filing Date: 14 January 2004 (14.01.2004)

(74) Agent: **LOWIN, David, A.**; P.O. Box 620535, Woodside,
CA 94062-0535 (US).

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/440,133 14 January 2003 (14.01.2003) US
60/440,183 14 January 2003 (14.01.2003) US
60/476,086 4 June 2003 (04.06.2003) US
60/476,517 5 June 2003 (05.06.2003) US
60/501,376 8 September 2003 (08.09.2003) 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.

(71) Applicant (*for all designated States except US*): **CY-
TOKINETICS, INC.** [US/US]; 280 East Grand Avenue,
South San Francisco, CA 94080 (US).

(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), Euro-
pean (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR,
GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
ML, MR, NE, SN, TD, TG).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **MORGAN,
Bradley, Paul** [US/US]; 1206 Rimer Drive, Moraga, CA
94556 (US). **ELIAS, Kathleen, A.** [US/US]; 641 29th
Street, San Francisco, CA 94131 (US). **KRAYNACK,
Erica, Anne** [US/US]; 2 Ridgewood Court, Belmont,
CA 94002 (US). **LU, Pu-Ping** [CA/US]; 1110 Polynesia
Drive #108, Foster City, CA 94404 (US). **MALIK, Fady**
[US/US]; 2884 Hillside Drive, Burlingame, CA 94010
(US). **MUCI, Alex** [US]; *. **QIAN, Xiangping** [CA/US];
1451 Beach Park Boulevard #215, Foster City, CA 94404
(US). **SMITH, Whitney, Walter** [US/US]; 1122 Rich-
mond Street, El Cerrito, CA 94530 (US). **TOCHIMOTO,**

Published:

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

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: COMPOUNDS, COMPOSITIONS AND METHODS

(57) Abstract: Certain substituted urea derivatives selectively modulate the cardiac sarcomere, for example by potentiating cardiac myosin, and are useful in the treatment of systolic heart failure including congestive heart failure.



WO 2004/064730 A2