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

(19) World Intellectual Property Organization
International Bureau

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

PCT

(10) International Publication Number
WO 2004/064762 A2

(51) International Patent Classification[7]: A61K

(21) International Application Number:
PCT/US2004/001699

(22) International Filing Date: 21 January 2004 (21.01.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
60/441,561 21 January 2003 (21.01.2003) US
60/441,557 21 January 2003 (21.01.2003) US

(71) Applicant *(for all designated States except US)*: **S.S.C.I. INC.** [US/US]; 3065 Kent Avenue, West Lafayette, IN 47906 (US).

(72) Inventor; and
(75) Inventor/Applicant *(for US only)*: **CHILDS, Scott, L.,** [US/US]; EmTechBio, 1256 Briarcliff Rd., Atlanta, GA 30307 (US).

(74) Agent: **HARLIN, Michael B.**; McAndrews, Held & Malloy, Ltd, 500 West Madison Street, 34th Floor, Chicago, IL 60606 (US).

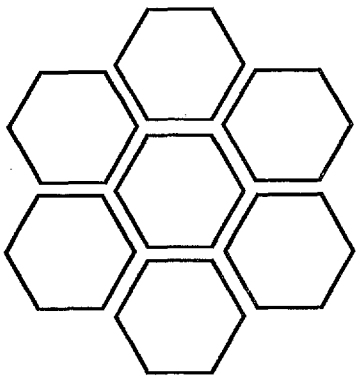
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, 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, 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, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

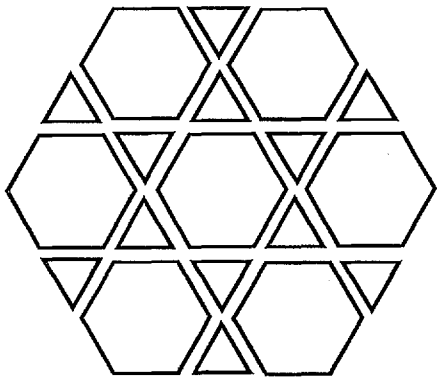
Published:
— *without international search report and to be republished upon receipt of that report*

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: NOVEL COCRYSTALLIZATION



API structure



1:2 API:guest co-crystal

(a) (b)

(57) Abstract: The present disclosure relates to novel cocrystals and novel methods for cocrystallization. In particular, the disclosure includes cocrystals comprising a salt of an active agent, such as a chloride salt of an active pharmaceutical ingredient. The present disclosure also relates to methods of preparing cocrystals and methods for screening for solid state phases.

WO 2004/064762 A2