



(51) International Patent Classification:

C07D 493/04 (2006.01) A61K 31/337 (2006.01)
C07D 305/14 (2006.01) A61P 35/00 (2006.01)

(21) International Application Number:

PCT/US2013/036392

(22) International Filing Date:

12 April 2013 (12.04.2013)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

13/455,455 25 April 2012 (25.04.2012) US

(71) Applicant: **GENTA INCORPORATED** [US/US]; 200
Connell Drive, Berkeley Heights, New Jersey 07922 (US).

(72) Inventors: **THOTTATHIL, John K.**; 28630 Skycrest Dr.,
Mundelein, Illinois 60060 (US). **WARRELL, Raymond
P., Jr.**; 6 Kimball Circle, Westfield, New Jersey 07090
(US).

(74) Agent: **FUGIT, Donna R.**; Servilla Whitney LLC, 33
Wood Avenue South Second Floor, Suite 210, Iselin, New
Jersey 08830 (US).

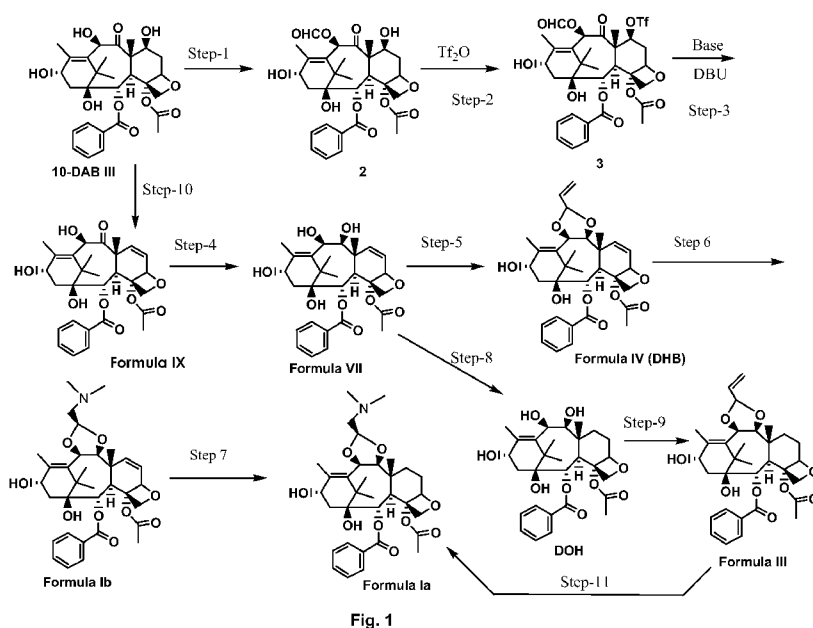
(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY,
BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IS, JP, KE, 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, PA, 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, 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).

Published:

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

(54) Title: TAXANE COMPOUNDS, COMPOSITIONS AND METHODS



(57) Abstract: The present invention provides a method for the preparation of orally available pentacyclic taxane compounds, as well as intermediates useful in their preparation.