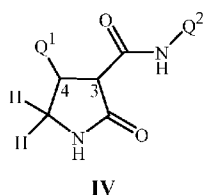
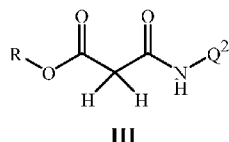
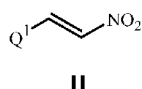
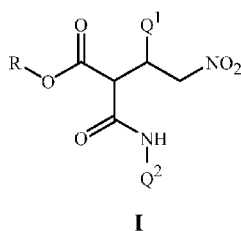




- (51) International Patent Classification:
C07D 207/27 (2006.01) C07C 233/15 (2006.01)
- (21) International Application Number:
PCT/US2015/063101
- (22) International Filing Date:
1 December 2015 (01.12.2015)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
62/088,971 8 December 2014 (08.12.2014) US
- (71) Applicant: E. I. DU PONT DE NEMOURS AND COMPANY [US/US]; Chestnut Run Plaza, 974 Centre Road, P. O. Box 2915, Wilmington, Delaware 19805 (US).
- (72) Inventor: SATTERFIELD, Andrew Duncan; 1524 Robert Burns Court, Bear, Delaware 19701 (US).
- (74) Agent: REHBERG, Edward F.; E. I. du Pont de Nemours and Company, Legal Patent Records Center, Chestnut Run Plaza 721/2340, 974 Centre Road, PO Box 2915, Wilmington, Delaware 19805 (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,

[Continued on next page]

(54) Title: 3-OXO-3-(ARYLAMINO)PROPANOATES, A PROCESS FOR THEIR PREPARATION, AND THEIR USE IN PREPARING PYRROLIDINONES



(57) Abstract: Disclosed are compounds of Formula I, including all stereoisomers and salts thereof, wherein Q¹, Q² and R are as defined in the disclosure. Also disclosed is a method for preparing a compound of Formula I, comprising contacting a compound of Formula II with a compound of Formula III optionally in the presence of a catalyst or a base to form a compound of Formula I. Further disclosed is a method for preparing a compound of Formula IV, comprising reductively cyclizing a compound of Formula I in the presence of a reducing agent.



HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR, KZ, LA, LC, LK, LR, LS, 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, SA, 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.

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, KM, ML, MR, NE, SN, TD, TG).

Published:

(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, ST, SZ,

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