

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
29 June 2006 (29.06.2006)

PCT

(10) International Publication Number  
WO 2006/068713 A3

(51) International Patent Classification:  
A01N 43/38 (2006.01) A61K 31/40 (2006.01)

(21) International Application Number:  
PCT/US2005/040217

(22) International Filing Date:  
4 November 2005 (04.11.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
10/983,414 6 November 2004 (06.11.2004) US

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(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, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, 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, IS, IT, LT, LU, LV, 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:  
8 September 2006

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: 3,3'-DIINDOLYLMETHANE IMMUNE ACTIVATING COMPOSITIONS

(57) Abstract: The invention provides immune response activating compositions and methods of use. The general methods deliver an immune response activator to a patient determined to be in need thereof, comprising the steps of: (a) administering to the patient a predetermined amount of an immune response activating, optionally substituted DIM; and (b) detecting in the patient a resultant immune response activation, such as an increase in T-cell proliferation, NO production, cytokine production, cytokine receptor expression, or cytokine signaling.



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**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/US05/40217

**A. CLASSIFICATION OF SUBJECT MATTER**  
 IPC: **A01N 43/38( 2006.01);A61K 31/40( 2006.01)**

USPC: **514/414**  
 According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
 U.S. : 514/414

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5,948,808 A (SAFE) 07 September 1999 (07.09.1999), column 7, lines 10-68.	1-18
Y	US 6,767,563 B2 (FARLEY) 27 July 2004 (27.07.2004), columns 1 and 2.	1-18

Further documents are listed in the continuation of Box C.  See patent family annex.

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Date of the actual completion of the international search 09 June 2006 (09.06.2006)	Date of mailing of the international search report 13 JUL 2006 -
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