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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
18 September 2014 (18.09.2014)

WIPO | PCT

(10) International Publication Number
WO 2014/140861 A2

(51) International Patent Classification: Not classified

(21) International Application Number:
PCT/IB2014/001027

(22) International Filing Date:
11 March 2014 (11.03.2014)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
13/841,524 15 March 2013 (15.03.2013) US

(71) Applicant: **GALDERMA RESEARCH & DEVELOPMENT** [FR/FR]; 2400 Route des Colles, Les Templiers, F-06410 Biot (FR).

(72) Inventors: **MOUNIER, Carine**; Résidence Les Hauts du Golf, Les Lauriers 3, 760 Chemin de la Tire, F-06250 Mougins (FR). **CARLAVAN, Isabelle**; 36, Avenue Riou Blanquet, F-06130 Grasse (FR). **AUBERT, Jérôme**; 17 Chemin des Chèvrefeuilles, F-06130 Grasse (FR). **JOMARD, André**; 20 bis, Avenue Francois Goby, F-06460 Saint Vallier de Thiey (FR). **ROSSIO, Patricia**; Villa Soana - Allée du Panorama, Plascassier, F-06130 Grasse (FR).

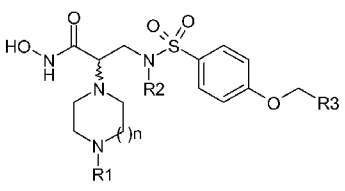
(81) Designated States *(unless otherwise indicated, for every kind of national protection available)*: AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JP,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

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

Published:

— *without international search report and to be republished upon receipt of that report (Rule 48.2(g))*

(54) Title: NOVEL BENZENESULFONAMIDE COMPOUNDS, METHOD FOR SYNTHESIZING SAME, AND USE THEREOF IN MEDICINE AS WELL AS IN COSMETICS



(I)

(57) Abstract: Provided herein are novel benzenesulfonamide compounds having a structure of formula (I), as well as to the method for synthesizing same and to the use thereof in pharmaceutical compositions to be used in human or veterinary medicine, as well as to the use thereof. Also provided herein are methods of using the disclosed pharmaceutical compositions for the treatment of neuroinflammatory skin diseases such as acne.

WO 2014/140861 A2