

Title (en)
ASSAY FOR IDENTIFICATION OF COMPOUNDS THAT PROMOTE MELANIN PRODUCTION AND RETINOID-LIKE COMPOUNDS IDENTIFIED BY SAID ASSAY

Title (de)
TESTSYSTEM ZUR IDENTIFIZIERUNG VON VERBINDUNGEN DIE DIE MELANINHERSTELLUNG FÖRDERN UND DADURCH IDENTIFIZIERTE RETINOIDÄHNLICHE VERBINDUNGEN

Title (fr)
DOSAGE D'IDENTIFICATION DE COMPOSES FAVORISANT LA PRODUCTION DE MELANINE, ET COMPOSES DE TYPE RETINOIDE IDENTIFIES PAR CE DOSAGE

Publication
EP 1082111 A4 20040310 (EN)

Application
EP 99921689 A 19990506

Priority

- US 9909845 W 19990506
- US 8447898 P 19980506

Abstract (en)
[origin: WO9956740A1] An in vitro assay for selecting compounds that alter pigmentation of skin is provided. Also, a novel class of pro-pigmentary compounds is provided which comprise substituted aromatic or heterocyclic carboxylic acids, or derivatives thereof, or pharmaceutically acceptable salts, which do not contain a pheno, naphthol, thiophenol, or a thionaphthol function in free or protected form. In a preferred embodiment, these compounds will display activity for RXRs. These compounds may be used for altering pigmentation of human skin and/or hair in cosmetic or dermatological compositions, and for the treatment of disorders and disease conditions that affect skin or hair pigmentation.

IPC 1-7
A61K 31/19; A61K 31/44; G01N 33/50; G01N 33/68

IPC 8 full level
A61K 8/30 (2006.01); **A61K 8/00** (2006.01); **A61K 8/14** (2006.01); **A61K 8/36** (2006.01); **A61K 8/368** (2006.01); **A61K 8/49** (2006.01); **A61K 8/67** (2006.01); **A61K 31/19** (2006.01); **A61K 31/192** (2006.01); **A61K 31/381** (2006.01); **A61K 31/44** (2006.01); **A61K 31/455** (2006.01); **A61P 17/00** (2006.01); **A61P 43/00** (2006.01); **A61Q 5/00** (2006.01); **A61Q 5/08** (2006.01); **A61Q 5/10** (2006.01); **A61Q 17/04** (2006.01); **A61Q 19/00** (2006.01); **A61Q 19/02** (2006.01); **A61Q 19/04** (2006.01)

CPC (source: EP KR)
A61K 8/14 (2013.01 - EP); **A61K 8/36** (2013.01 - EP); **A61K 8/368** (2013.01 - EP); **A61K 8/46** (2013.01 - EP); **A61K 8/49** (2013.01 - EP); **A61K 8/4926** (2013.01 - EP); **A61K 8/4933** (2013.01 - EP); **A61K 8/675** (2013.01 - EP); **A61K 31/192** (2013.01 - EP KR); **A61K 31/455** (2013.01 - EP); **A61P 17/00** (2017.12 - EP); **A61P 43/00** (2017.12 - EP); **A61Q 5/08** (2013.01 - EP); **A61Q 19/02** (2013.01 - EP); **A61Q 19/04** (2013.01 - EP)

Citation (search report)

- [XP] WO 9822423 A1 19980528 - CIRD [FR], et al
- [X] EP 0749752 A1 19961227 - CIRD GALDERMA [FR]
- [X] WO 9733881 A1 19970918 - CIRD [FR], et al
- [X] WO 9417796 A1 19940818 - ALLERGAN INC [US]
- [X] WO 9321146 A1 19931028 - LIGAND PHARM INC [US]
- [A] WO 9735998 A1 19971002 - UNIV BOSTON [US], et al
- [A] WO 9700892 A2 19970109 - US GOV HEALTH & HUMAN SERV [US], et al
- [A] BEARD R L ET AL: "SYNTHESIS AND STRUCTURE-ACTIVITY RELATIONSHIPS OF STILBENE RETINOIDANALOGS SUBSTITUTED WITH HETEROAROMATIC CARBOXYLIC ACIDS", JOURNAL OF MEDICINAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY. WASHINGTON, US, vol. 38, no. 15, 21 July 1995 (1995-07-21), pages 2820 - 2829, XP000575926, ISSN: 0022-2623
- [A] BOEHM M F ET AL: "SYNTHESIS AND STRUCTURE - ACTIVITY RELATIONSHIPS OF NOVEL RETINOID X RECEPTOR-SELECTIVE RETINOIDS", JOURNAL OF MEDICINAL CHEMISTRY, AMERICAN CHEMICAL SOCIETY. WASHINGTON, US, vol. 37, no. 18, 2 September 1994 (1994-09-02), pages 2930 - 2941, XP000615432, ISSN: 0022-2623
- See references of WO 9956740A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 9956740 A1 19991111; AR 018340 A1 20011114; AU 3882999 A 19991123; AU 762364 B2 20030626; BR 9909599 A 20010925; CA 2324001 A1 19991111; CA 2324001 C 20070807; CN 1247192 C 20060329; CN 1299274 A 20010613; EP 1082111 A1 20010314; EP 1082111 A4 20040310; ID 26632 A 20010125; IL 138772 A0 20011031; JP 2002513756 A 20020514; JP 3669925 B2 20050713; KR 100538417 B1 20051222; KR 20010043147 A 20010525; NO 20004723 D0 20000921; NO 20004723 L 20001106; ZA 200005026 B 20010522

DOCDB simple family (application)
US 9909845 W 19990506; AR P990102143 A 19990506; AU 3882999 A 19990506; BR 9909599 A 19990506; CA 2324001 A 19990506; CN 99805885 A 19990506; EP 99921689 A 19990506; ID 20002069 A 19990506; IL 13877299 A 19990506; JP 2000546767 A 19990506; KR 20007012047 A 20001030; NO 20004723 A 20000921; ZA 200005026 A 20000920