

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
21 April 2005 (21.04.2005)

PCT

(10) International Publication Number
WO 2005/035483 A1

(51) International Patent Classification⁷: **C07C 253/30**,
255/37

(21) International Application Number:
PCT/US2004/032082

(22) International Filing Date: 1 October 2004 (01.10.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
01672/03 2 October 2003 (02.10.2003) CH

(71) Applicant (for all designated States except US): **WYETH**
[US/US]; Five Giralda Farms, Madison, NJ 07940 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MARTI,**
Hans-Rudolf [CH/CH]; Bergliweg 2, CH-4665 Oftringen
(CH). **TRAFELET, Huldreich** [CH/CH]; Berackerweg
18b, CH-4802 Strengelbach (CH).

(74) Agents: **BARRETT, Rebecca, R.** et al.; Wyeth, Patent
Law Dept., Five Giralda Farms, Madison, NJ 07940 (US).

(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, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, 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, IT, LU, 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

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: PROCESS FOR THE PREPARATION OF 1-[CYANO(PHENYL)METHYL]-CYCLOHEXANOL COMPOUNDS

(57) Abstract: Process for the preparation of 1-[cyano(phenyl)methyl]cyclohexanol compounds of general formula (I): in which R₁ is hydrogen or (C₁₋₄)alkoxy, and R₂ is hydrogen, (C₁₋₄)alkyl or (C₁₋₄)alkoxy, by reacting a compound of general formula (II): in which R₁ and R₂ are as defined above, with cyclohexanone in the presence of a catalyst, characterized in that this catalyst is selected from the group comprising alkali metal alcoholates, alkaline earth metal alcoholates, aluminium alcoholates and tetrasubstituted ammonium hydroxides.



WO 2005/035483 A1