

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
13 October 2005 (13.10.2005)

PCT

(10) International Publication Number
WO 2005/095409 A3(51) International Patent Classification⁷: **C07D 491/04**,
401/14, 401/04, A61K 31/47, 31/4545, 31/444, 31/4439,
A61P 3/06(74) Agents: **KAWAMIYA, Osamu** et al.; AOYAMA &
PARTNERS, IMP Building, 3-7, Shiromi 1-chome,
Chuo-ku, Osaka-shi, Osaka 5400001 (JP).(21) International Application Number:
PCT/JP2005/006894

(22) International Filing Date: 1 April 2005 (01.04.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
2004-109550 2 April 2004 (02.04.2004) JP(71) Applicant (for all designated States except US): **TAN-
ABE SEIYAKU CO., LTD.** [JP/JP]; 2-10, Dosho-machi
3-chome, Chuo-ku, Osaka-shi, Osaka, 5418505 (JP).

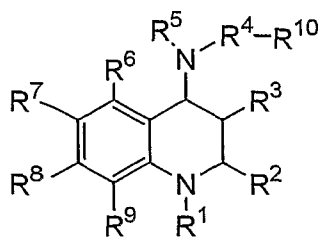
(72) Inventors; and

(75) Inventors/Applicants (for US only): **KUBOTA, Hi-
toshi** [JP/JP]; c/o TANABE SEIYAKU CO., LTD., 2-10,
Dosho-machi 3-chome, Chuo-ku, Osaka-shi, Osaka,
5418505 (JP). **SUGAHARA, Masakatsu** [JP/JP]; c/o
TANABE SEIYAKU CO., LTD., 2-10, Dosho-machi
3-chome, Chuo-ku, Osaka-shi, Osaka, 5418505 (JP).
FURUKAWA, Mariko [JP/JP]; c/o TANABE SEIYAKU
CO., LTD., 2-10, Dosho-machi 3-chome, Chuo-ku,
Osaka-shi, Osaka, 5418505 (JP). **TAKANO, Mayumi**
[JP/JP]; c/o TANABE SEIYAKU CO., LTD., 2-10,
Dosho-machi 3-chome, Chuo-ku, Osaka-shi, Osaka,
5418505 (JP). **MOTOMURA, Daisuke** [JP/JP]; c/o TAN-
ABE SEIYAKU CO., LTD., 2-10, Dosho-machi 3-chome,
Chuo-ku, Osaka-shi, Osaka, 5418505 (JP).(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, 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, 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:
9 February 2006For 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: TETRAHYDROQUINOLINE DERIVATIVES AND A PROCESS FOR PREPARING THE SAME



(I)

(57) Abstract: A novel compound of the formula (I): wherein R¹ is
alkoxycarbonyl or the like; R² is alkyl or the like; R³ is hydrogen or the
like; R⁴ is alkylene or the like; R⁵ is optionally substituted heterocyclic
group; R⁶, R⁷, R⁸ and R⁹ are independently hydrogen; alkyl, alkoxy,
or the like; R¹⁰ is optionally substituted aromatic ring, or the like; or a
pharmaceutically acceptable salt thereof, which has an inhibitory activity
against cholesteryl ester transfer protein (CETP).