

(12) International Application Status Report

Received at International Bureau: 26 April 2010 (26.04.2010)

Information valid as of: 11 October 2010 (11.10.2010)

Report generated on: 18 January 2021 (18.01.2021)

(10) Publication number:

WO2010/125907

(43) Publication date:

04 November 2010 (04.11.2010)

(26) Publication language:

Japanese (JA)

(21) Application Number:

PCT/JP2010/056538

(22) Filing Date:

12 April 2010 (12.04.2010)

(25) Filing language:

Japanese (JA)

(31) Priority number(s):

2009-107457 (JP)

(31) Priority date(s):

27 April 2009 (27.04.2009)

(31) Priority status:

Priority document received (in compliance with PCT Rule 17.1)

2009-222156 (JP)

28 September 2009 (28.09.2009)

Priority document received (in compliance with PCT Rule 17.1)

(51) International Patent Classification:

A61K 49/00 (2006.01)

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(54) Title (EN): COMPOSITION FOR DIAGNOSIS OF CONFORMATIONAL DISEASE

(54) Title (FR): COMPOSITION DE DIAGNOSTIC D'UNE MALADIE POST-TRANSCRIPTIONNELLE

(54) Title (JA): コンフォメーション病診断用組成物

(57) Abstract:

(EN): A composition for use in the diagnosis of conformational disease is provided, for the purpose of developing a fluorescent compound having high binding specificity to A#, high blood-brain barrier permeability, and an ability to disappear rapidly in areas other than senile plaques in the brain. The composition contains a compound produced by introducing 5'-[4-

(dimethylamino)phenyl]-2,2'-bithiophene into position-8 of BODIPY or a compound produced by introducing 2-phenyl-5-propenylthiophene into position-3 of BODIPY.

(FR): Cette invention concerne une composition utilisée dans le diagnostic d'une maladie post-transcriptionnelle, en vue de développer un composé fluorescent présentant une forte spécificité de liaison au peptide A#, une forte perméabilité de la barrière hémato-encéphalique, et une aptitude à disparaître rapidement dans des zones autres que les plaques séniles du cerveau. La composition contient un composé produit en introduisant le 5'-[4-(diméthylamino)phényl]-2,2'-bithiophène en position-8 du BODIPY ou un composé produit en introduisant le 2-phényl-5-propénylthiophène en position-3 du BODIPY.

(JA): Aβに対する高い結合特異性、高い血液脳関門の透過性、脳内老人斑以外の部位からの速やかな消失性を併せ持つ蛍光化合物を開発することを目的として、BODIPYの8位に5'-[4-(ジメチルアミノ)フェニル]-2,2'-ビチオフェンを導入した化合物やBODIPYの3位に2-フェニル-5-プロペニルチオフェンを導入した化合物を含むコンフォメーション病診断用組成物を提供する。

International search report:

Received at International Bureau: 11 June 2010 (11.06.2010) [JP]

International Report on Patentability (IPRP) Chapter II of the PCT:

Not available

(81) Designated States:

AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, 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, IS, JP, KE, KG, KM, 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, PE, PG, PH, PL, PT, RO, RS, RU, 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

European Patent Office (EPO) : 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, SE, SI, SK, SM, TR

African Intellectual Property Organization (OAPI) : BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

African Regional Intellectual Property Organization (ARIPO) : BW, GH, GM, KE, LR, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW

Eurasian Patent Organization (EAPO) : AM, AZ, BY, KG, KZ, MD, RU, TJ, TM