Title (en)

METHOD FOR SCREENING PROCESS CONDITIONS OF A CHEMICAL COUPLING REACTION AND KITS THEREFOR

Title (de)

VERFAHREN UND KIT FÜR DAS SCREENING VON REAKTIONSBEDINGUNGEN VON CHEMISCHEN KUPPLUNGSREAKTIONEN

Title (fr)

PROCEDE DE CRIBLAGE DE CONDITIONS OPERATOIRES D UNE REACTION CHIMIQUE DE COUPLAGE ET TROUSSES POUR LA MISE EN OEUVRE DE CE PROCEDE

Publication

EP 1616185 A2 20060118 (FR)

Application

EP 04758930 A 20040413

Priority

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- FR 0350106 A 20030415

Abstract (en)

[origin: FR2853965A1] Method for screening the operating conditions for a coupling reaction between at least two functional groups. Method for screening the operating conditions for a coupling reaction between at least two functional groups comprises: (1) reacting at least two compounds, E1-X1-G1 and E2-X2-G2, in solution and under predetermined operating conditions, with at least one being a candidate operating condition (COC), to produce a compound (Z) of formula E1-X1-G1-G2-X2-E2; (2) determining the concentration of (Z) at a predetermined time (t), by at least one immunological assay, using at least one antibody (AC1) specific for the molecule (M1) of which E1 is the residue; and (3) evaluating the effect of one or more COC on the reaction, from the measured concentration of (Z). G1, G2 : first and second functional groups; X1 and X2 : covalent bonds or linkers; E1 : residue of molecule M1 for which a specific antibody (AC1) is available; E2 : residue of second molecule M2 for which a second antibody (AC2) is available, or a group able to form at least one covalent bond with AC1 in presence of a coupling agent An independent claim is also included for a kit for the new process.

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