

Title (en)
FUNCTIONALIZATION PROCESSES AND REACTANTS USED IN SUCH PROCESSES USING AN ISATOIC ANHYDRIDE OR A DERIVATIVE THEREOF, BIOLOGICAL MOLECULES THUS TREATED AND KITS

Title (de)
FUNKTIONALISIERUNGSVERFAHREN UND IN DIESEM VERFAHREN VERWENDETE REAKTANDEN MIT EINEM ISATOSÄUREANHYDRID ODER EINEM DERIVAT DARAUS, DEMENTSPRECHEND BEHANDELTE BIOLOGISCHE MOLEKÜLE UND KITS

Title (fr)
PROCEDES DE FONCTIONALISATION ET REACTIFS UTILISES DANS DE TELS PROCEDES UTILISANT UN ANHYDRIDE ISATOÏQUE OU UN DE SES DERIVES, MOLECULES BIOLOGIQUES AINSI TRAITEES ET KITS

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Abstract (en)
[origin: WO2012076794A1] The present invention relates to a process for functionalizing at least one ribonucleic acid (RNA) molecule, which comprises the following steps: a) providing at least: one linker molecule consisting of an isatoic anhydride or a derivative thereof, one group of interest, and one linker arm which links the linker molecule to the group of interest, b) reacting the anhydride function of the linker molecule with at least one hydroxyl group carried: in the 2' position of the ribose of one of the nucleotides of the RNA, and/or in the 2' and/or 3' position(s) of the ribose of the nucleotide at the 3' terminal end of the RNA, and c) obtaining an anthranilate which links the RNA to the group of interest by means of the linker arm. The invention also relates to a functionalization reactant that can be used in such processes, to a functionalized biological RNA molecule which can be obtained by means of these processes and to a kit for detecting a target RNA molecule comprising such a reactant. Said invention is of preferential use in the in vitro diagnosis field.

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