

Title (en)
METHOD FOR SELECTING RIBOZYMES WHICH ARE CAPABLE OF COVALENTLY MODIFYING THE RIBONUCLEIC ACIDS ON 2'-OH-GROUPS IN TRANS

Title (de)
VERFAHREN ZUR SELEKTION VON RIBOZYMEN, DIE RIBONUCLEINSÄUREN IN TRANS AN 2' -OH-GRUPPEN KOVALENT MODIFIZIEREN KÖNNEN

Title (fr)
PROCEDE DE SELECTION DE RIBOZYMES CAPABLES DE MODIFIER PAR COVALENCE LES ACIDES RIBONUCLEIQUES, EN TRANS, SUR LES GROUPES 2'-OH

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Application
EP 99907369 A 19990114

Priority
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Abstract (en)
[origin: DE19801153A1] A method to select a ribozyme that can covalently modify the 2'-OH group of ribonucleic acids in trans is new. A method to select a ribozyme that can covalently modify the 2'-OH group of ribonucleic acids in trans, comprises: incubating a ribonucleic acid library with a reactant that can react with a ribonucleic acid 2'-OH group; selection and isolation of the ribonucleic acid that covalently binds to the reactant; amplifying the ribonucleic acid of step (b) to form cDNA; determining the sequence of the selected ribonucleic acid; cleavage of the selected ribonucleic acid in a substrate part (I) by a catalytic part (II = ribozyme); and testing whether the catalytically active part (II) can covalently modify the substrate part (I). Independent claims are also included for: a ribozyme obtained by a method as above; a DNA sequence that encodes a ribozyme as in (1); a vector containing DNA as in (2); a host cell containing a vector as in (3); and a method to produce a ribozyme as in (1).

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IPC 8 full level
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