

Title (en)

METHODS FOR IDENTIFYING SMALL MOLECULES THAT BIND SPECIFIC RNA STRUCTURAL MOTIFS

Title (de)

VERFAHREN ZUR IDENTIFIZIERUNG KLEINER, SPEZIFISCHE RNA-STRUKTURMOTIVE BINDENDER MOLEKÜLE

Title (fr)

PROCEDES PERMETTANT L'IDENTIFICATION DE MOLECULES DE PETITE TAILLE QUI SE LIENT AVEC DES MOTIFS STRUCTURELS SPECIFIQUES DE L'ARN

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Application

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Abstract (en)

[origin: WO02083953A1] The present invention relates to a method for screening and identifying test compounds that bind to a preselected target ribonucleic acid ("RNA"). Direct, non-competitive binding assays are advantageously used to screen libraries of compounds for those that selectively bind to a preselected target RNA. Binding of target RNA molecules to a particular test compound is detected using any physical method that measures the altered physical property of the target RNA bound to a test compound. The structure of the test compound attached to the labeled RNA is also determined. The methods used will depend, in part, on the nature of the library screened. The methods of the present invention provide a simple, sensitive assay for high-throughput screening of libraries of compounds to identify pharmaceutical leads.

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