

Title (en)

A METHOD FOR DETERMINING THE AFFINITY OF PROTEINS FOR CHEMICAL AGENTS DURING SCREENING OF COMBINATORIAL LIBRARIES

Title (de)

VERFAHREN ZUM BESTIMMEN DER AFFINITÄT VON PROTEINEN FÜR CHEMISCHE VERBINDUNGEN BEIM SCREENEN VON KOMBINATORISCHEN BIBLIOTHEKEN

Title (fr)

METHODE POUR DETERMINER L'AFFINITE DES PROTEINES A L'EGARD DES AGENTS CHIMIQUES LORS DU CRIBLAGE DES BIBLIOTHEQUES COMBINATOIRES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO9733169A1] Invented is a method for determining the affinity of protein targets for chemical agents during screening of combinatorial libraries. The libraries are synthesized on solid supports with a gradient of coupling sites, such that the target is presented with a range of compound concentrations. The distribution of protein bound to the immobilized compounds is measured by quantitative image analysis. Compounds are ranked in order of binding affinity by comparing their ability to bind across the gradient.

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Citation (search report)

- [X] SOUTHERN E M ET AL: "ARRAYS OF COMPLEMENTARY OLIGONUCLEOTIDES FOR ANALYSING THE HYBRIDISATION BEHAVIOUR OF NUCLEIC ACIDS", NUCLEIC ACIDS RESEARCH, OXFORD UNIVERSITY PRESS, SURREY, GB, vol. 22, no. 8, 25 April 1994 (1994-04-25), pages 1368 - 1373, XP000601417, ISSN: 0305-1048
- [X] PEASE A C ET AL: "LIGHT-GENERATED OLIGONUCLEOTIDE ARRAYS FOR RAPID DNA SEQUENCE ANALYSIS", PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF USA, NATIONAL ACADEMY OF SCIENCE. WASHINGTON, US, vol. 91, 1 May 1994 (1994-05-01), pages 5022 - 5026, XP000196311, ISSN: 0027-8424
- See references of WO 9733169A1

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