

Title (en)

RANDOM CHEMISTRY FOR THE GENERATION OF NEW COMPOUNDS

Title (de)

ZUFALLSPROZESS FÜR DIE CHEMISCHE DARSTELLUNG NEUER VERBINDUNGEN

Title (fr)

PROCEDE ALEATOIRE DE PRODUCTION DE NOUVEAUX COMPOSES CHIMIQUES

Publication

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Application

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Priority

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Abstract (en)

[origin: WO9424314A1] Methods for the generation of new compounds are disclosed. The present invention eliminates the need to know in advance the structure or chemical composition of a compound having a desired property. The disclosure of the present invention provides that diversity of unknown compounds may be produced by "random" chemistry, and such a diversity of unknown compounds may be screened for one or more desired properties to detect the presence of suitable compounds. In one aspect, a starting group of organic compounds is caused to undergo a series of chemical reactions to create a diversity of new organic compounds that are screened for the presence of organic compounds having the desired property. In another aspect of the present invention, a diversity of compounds is generated from a group of substrates which are subjected to a group of enzymes representing a diversity of catalytic activities.

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