

Title (en)

METHOD FOR THE COMBINATORIAL SEARCH FOR REACTIONS FOR PRODUCING USEFUL PRODUCTS

Title (de)

VERFAHREN ZUR KOMBINATORISCHEN REAKTIONSFINDUNG ZUR HERSTELLUNG VON NÜTZLICHEN PRODUKTEN

Title (fr)

PROCEDE DE RECHERCHE COMBINATOIRE DE REACTIONS POUR OBTENIR DES PRODUITS UTILES

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Abstract (en)

[origin: WO0043333A3] The invention relates to a method for the algorithmic search for and production of biologically active chemical compounds. Said method comprises the following steps: (1) producing an algorithmic library of different multicomponent reactions; starting from a library of suitable and diverse types of chemical starting compounds; (2) biologically testing said library; (3) identifying suitable multicomponent reactions from this range of suitable reactions; (4) choosing a multitude of chemical starting substances of those types that are required for the identified and suitable multicomponent reactions; (5) finding optimum combinations from said constructed chemical range of suitable multicomponent reactions by (6) algorithmically producing and biologically testing compounds of said library. The inventive method is exemplified by way of the example of finding new antibiotically active polyketoidous compounds.

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