

A method for mass synthesis of low molecular organic compounds includes following stages: a list of synthesized compounds is determined; method for carrying out chemical analysis is selected; reagents and auxiliary substances are selected; reagents are weighed and loaded to reaction capacities; auxiliary substances and solvent(s) are added; synthesis of organic compounds is carried out; obtained reaction mixtures are treated; solid and semisolid products are isolated; obtained compounds are purified; organic compounds are analyzed, and, if necessary, they are additionally purified; obtained organic compounds are weighed and packed. Each stage of obtaining low molecular compounds is carried out in separate section with specialization of labor and provides for simultaneous parallel synthesis between some tens and some thousands of organic compounds.