

Preparation of heterocycles using solid-phase synthesis

Aim of the work is development of synthetic methods applicable for preparation of novel heterocyclic derivatives. Starting from readily available building blocks, multireactive polymer-supported intermediates will be synthesized and subjected to diversity oriented, reagent-based synthesis to obtain different heterocyclic scaffolds. Particular attention will be paid to asymmetric reactions enabling the preparation of heterocycles with directed configuration. Developed protocols will be applicable for simple parallel/combinatorial synthesis of target derivatives.