

PREPARATION OF SULFONATED POLYSULFONE MEMBRANE FOR ENZYMES IMMOBILISATION

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Abstract

The paper presents a method for the preparation of sulfonated polysulfone in order to receive a matrix to immobilisation of biomolecules. Optimum conditions of the synthesis are described. The phase inversion method was used to prepare a sulfonated polysulfone membrane and then urease was immobilized on the surface of the prepared matrix. Comparison of activity of native urease and the immobilized urease is presented.

Keywords: sulfonated polysulfone, immobilization of urease, amination of sulfonated polysulfone