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MOLECULAR IMPRINTING OF AN ACRYLIC COPOLYMER MEMBRANE WITH DIOSGENINE

A. Sarbu^a, T. Dobre^b, A.L. Radu^a, S.O. Dima^a, C. Bercu^a, G. Florea^a, E. Bacalum^a, M. Beda^a, G. Nechifor^b, L. Sarbu^a, N. Antohe^c

^a*National Research- Development Institute for Chemistry and Petrochemistry- ICECHIM Bucharest, Spl. Independentei 202, sector 6, Bucharest, Romania (andr.sarbu@gmail.com, <http://www.icechim.ro>)*

^b*University Polytechnica Bucharest, Spl. Independentei nr. 313, sector 6 Bucharest, Romania*

^c*Commercial Society for Medicinal Plant Research and Processing PLANTAVOREL Strada Cuza Voda 46, Piatra Neamt, Romania*

The molecular imprinting with diosgenine of an acrylonitrile- acrylic acid copolymer membrane took place by phase inversion.

Concentrated solutions of the copolymer and template in dimethylformamide (DMF) were prepared, and the influence of the copolymer and template on the rheological behavior of the solutions was studied in order to establish the best parameters for the casting solutions preparation.

The solutions were transformed in membranes by phase inversion in mixtures of water and DMF.

In order to get the molecular imprinting the membranes were extracted in a Soxhlet apparatus with methanol.

The molecular imprinting was proved by FTIR.