

a 2004 0038

The invention relates to chemistry, namely to a process for obtaining ion-exchange resins modified with Bi(III) compounds, that may be used in the substance separation and sorption processes.

The process consists in that the cross-linked ionic polymers containing highly basic groups are preliminarily modified with Cr(III) compounds, then they are treated with solution of 0,014...0,016 M  $\text{Bi}(\text{NO}_3)_3$  with pH 0,2 in the ratio of 1...2 g of polymer to 100 ml of solution, at the temperature of 55...65°C during 5,0...5,5 hours.

In such conditions the bismuth is completely substituted by the chrome ions and the obtained polymer possesses selective properties about the ions.

Claims: 1