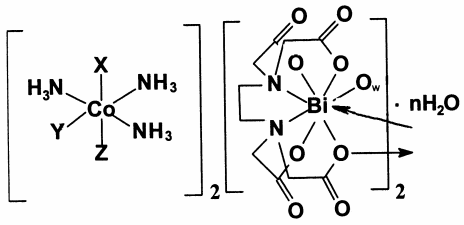
The invention relates to a group of heteronuclear coordinative compounds from the class of bismuth (III) aminopolycarboxylates with some α-elements. These complexes have high specific electric conductivity (p) and may be applied in electrical engineering in the capacity of dielectric materials.

Summary of the invention consists in obtaining of tryhidrate aquaethylenediamine tetraacetatobismuthate(III)1,6-[dinitrotetraaminecobalt(III)], aquaethylenediamine tetraacetatobismuthate(III)1,2-[dinitrotetraaminecobalt(III)], tryhidrate ethylenediamine tetraacetatobismuthate(III)carbonatotetraaminecobalt(III) and dihydrate ethylenediamine tetraacetatobismuthate (III) oxalatotetraaminecobalt (III) dimmers of general formula:



I-IV

where X = NO2 (I, II), 1/2 CO3 (III), 1/2 C2O4 (IV); Y = NH3 (I), NO2 (II), 1/2 CO3 (III), 1/2 C2O4 (IV); Z = NO2 (I), NH3 (II-IV); n = O(II), 2 (IV), 3 (I, III); Ow = H2O (I, II).

Claims: 1
Fig.: 2