

عنوان مقاله:

(Reactions of Fluoride Addition to Bismuthtrifluoro(III) and Antimonytrichloro (III)

محل انتشار:

دومین کنفرانس بین المللی علوم و مهندسی (سال: 1394)

تعداد صفحات اصل مقاله: 5

نویسنده:

Zahra Javanshir - Departments of Chemistry, Faculty of Science, Ahar Branch, Islamic Azad University, Ahar, Iran

خلاصه مقاله:

Two new complexes of main metals reacted by $(C_4H_9)_4NF$ and products separated characterized by elemental analysis and spectroscopic methods. One of them is tetrabutylammonium tetrafluorobismutate(III), $(C_4H_9)_4N[BiF_4]$, that easily synthesized in a nearly quantitative yield using a direct reaction of BiF_3 and tetrabutylammonium fluoride. Another is tetrabutylammonium fluorotrichloroantimonate (III), $[(C_4H_9)_4N][SbCl_3F]$, that has been synthesized by reaction of tetrabutylammonium fluoride with $SbCl_3$ salt. The methods could be used for other compounds. The advantages of the new method are discussed. $(C_4H_9)_4N[BiF_4]$ and $(C_4H_9)_4N[SbCl_3F]$ were studied experimentally by IR, UVVisible spectroscopy

کلمات کلیدی:

Tetrabutylammonium Fluoride, Antimony trichloro, Bismuth trifluoro, Fluoride addition, Fluorocomplexes, Synthesis. Characterization

لینک ثابت مقاله در پایگاه سیویلیکا:

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