



A new complex of europium(II) with edta - structure and spectroscopy.

Autorzy

Rafał Janicki

Anna Mondry

Przemysław Starynowicz

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Streszczenie

A new complex of europium(II) with ethylenediaminetetraacetic acid was obtained by electrochemical reduction. The compound is composed of polymeric chains, guanidinium cations and water molecules. The Eu^{2+} cation is eight-coordinate (two nitrogen atoms and six carboxylate oxygen atoms), and contrary to europium(III) complexes with edta, does not contain water molecules in the first coordination sphere. Relationships between the coordination mode and IR as well as UV–Vis spectra are discussed.

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