

Spectroscopy and structure of complexes with Ln - N bonds (III). Structure and spectroscopy of ethylenediammonium octaazidodineodymate.

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Streszczenie

The crystal structure and electronic (absorption and emission) spectra of a new neodymium azide complex are presented. The structure is composed of ethylenediammonium cations and anionic polymeric network built up from azide anions and neodymium cations. The neodymium environment consists of nine nitrogen atoms. The absorption spectra show high intensity of the hypersensitive $^4I_{9/2} \Rightarrow ^4G_{5/2}, ^2G_{7/2}$ transition. The Judd-Ofelt analysis is presented.

Adres publiczny

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