



An ytterbium(II) complex with triethanolamine.

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Streszczenie

Bis(triethanolamine)ytterbium(II) diperchlorate was obtained by electrochemical reduction. The metal ion is surrounded by two triethanolamine molecules only, and its first sphere of coordination consists of six O and two N atoms. The compound shows weak luminescence at 77 K with a very broad emission band (488—667 nm). The complexation of triethanolamine shifts the Yb (III) reduction potential of 0.46 V towards more negative values.

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