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Complexes of podand-containing bis(dithiophosphonate) ligands with cobalt(II), nickel(II) and cadmium(II): Recognition of CH₂Cl₂

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Abstract

Reaction of the potassium salts of podand-containing bis(dithiophosphonate)s [PhO(4-C₆H₄)P(S)(SH)OCH₂CH₂]₂O (H₂L) with Co(II), Ni(II) and Cd(II) in aqueous EtOH leads to complexes of formulae M₂(L-S,S')₂. The structural formulae of the compounds were deduced by physico-chemical and spectroscopic methods. It was established that complex Ni₂L₂ recognizes CH₂Cl₂. © 2008 Springer Science+Business Media B.V.

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