

Mendeleev Communications 2003 vol.13 N2, pages 72-73

N-thiophosphorylthiourea containing an aza-18-crown-6 fragment. The crystal structure of bis [N-(N'-diisopropoxythiophosphorylamidothiocarbonyl)- aza-18-crown-6]nickel(II)

Sokolov F., Zabiroy N., Brusko V., Krivolapov D., Litvinov I.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

N-(N'-Diisopropoxythiophosphorylamidothiocarbonyl)aza-18-crown-6 (HL) was obtained by the reaction of aza-18-crown-6 with diisopropoxythiophosphorylisothiocyanate, and its chelate with NiII was characterised using IR, ¹H and ³¹P NMR spectroscopy and single-crystal X-ray diffraction.
