



Synthesis And Characterization of Silatranes Derived From 3-Aminopropyl-Methyl-Diethoxysilane

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ABSTRACT

A total of three new silicon(IV) complexes of 3-aminopropyl-methyl-diethoxysilane have been synthesized by the reaction of the silane with dipodal ligands. The complexes obtained (1-3) are characterized qualitatively and quantitatively by using micro-elemental analysis, FTIR spectroscopy, ¹H and ¹³C NMR spectroscopy. From the spectral studies we could conclude that all complexes obtained have monomeric structure.

Keywords: 3-aminopropyl-methyl-diethoxysilane, dipodal ligands, silatranes, organosilanes.
