

# Nickel Complexes of *N*-Alkylated Derivatives of 2,6-Bis(aminomethyl)-4-*tert*-butyl-thiophenol

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The syntheses of *N*-alkylated derivatives of the arenethiol 4-*tert*-butyl-2,6-(diaminomethyl)-thiophenol and their coordination properties are reported. Compounds 4-*tert*-butyl-2,6-di(*N*-isopropyl-aminomethyl)thiophenol (**3**) and 4-*tert*-butyl-2-(*N*-isopropyl-aminomethyl)-6-hydroxymethylthiophenol (**6**) react with Ni(II) salts to give compounds of composition [Ni(**3**)<sub>2</sub>]·2HCl (**7**) and [Ni(**6**)<sub>2</sub>] (**8**). The solid- and solution-state structures of both complexes consist of mononuclear complexes with four-coordinate nickel(II) ions in approximately planar *trans*-N<sub>2</sub>S<sub>2</sub> coordination environments. In contrast to the parent arenethiol **4a**, the sterically more encumbered ligands do not form dinuclear complexes.

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