

Synthesis and Structure of *trans*-Dichloro-tetra(pyrazole)-gallium(III) Chloride and Tetrachlorogallate(III)

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$[\text{GaCl}_2(\text{pyrazole})_4]^+\text{Cl}^-$ and $[\text{GaCl}_2(\text{pyrazole})_4]^+\text{GaCl}_4^-$ are formed in the reaction of pyrazole and anhydrous gallium trichloride in toluene/diethyl ether. The crystal structure of the chloride salt shows cations in a *trans*-configuration which are associated with the chloride counterions through N-H...Cl hydrogen bonds.