

SYNTHESIS OF A FLUORINATED TETRA-SCHIFF BASE COMPLEX OF COPPER

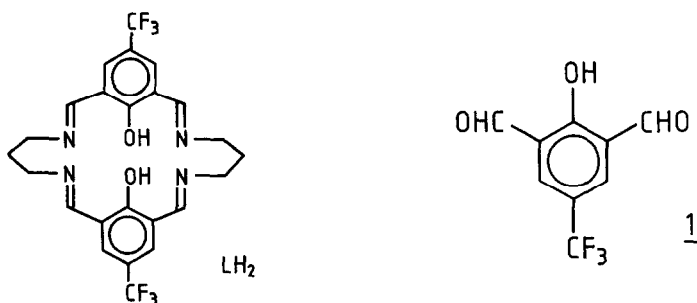
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Synthesis of $\text{Cu}_2\text{L}(\text{ClO}_4)_2$ is reported. LH_2 is the tetra-Schiff base macrocycle resulting from the condensation of propane-1,3-diamine and 2,6-diformyl-4-trifluoromethylphenol 1.



The key step for the synthesis of 1 was a copper mediated trifluoromethylation of a *p*-bromo-anisole with CF_3I .

The complex $\text{Cu}_2\text{L}(\text{ClO}_4)_2$ has been studied by cyclic voltametry. The reduction potential $E_{\text{Cu}^{\text{II}}\text{Cu}^{\text{II}}/\text{Cu}^{\text{II}}\text{Cu}^{\text{I}}}$ is displaced toward positive values by comparison with the non-fluorinated analogous complex (CH_3 in place of CF_3).