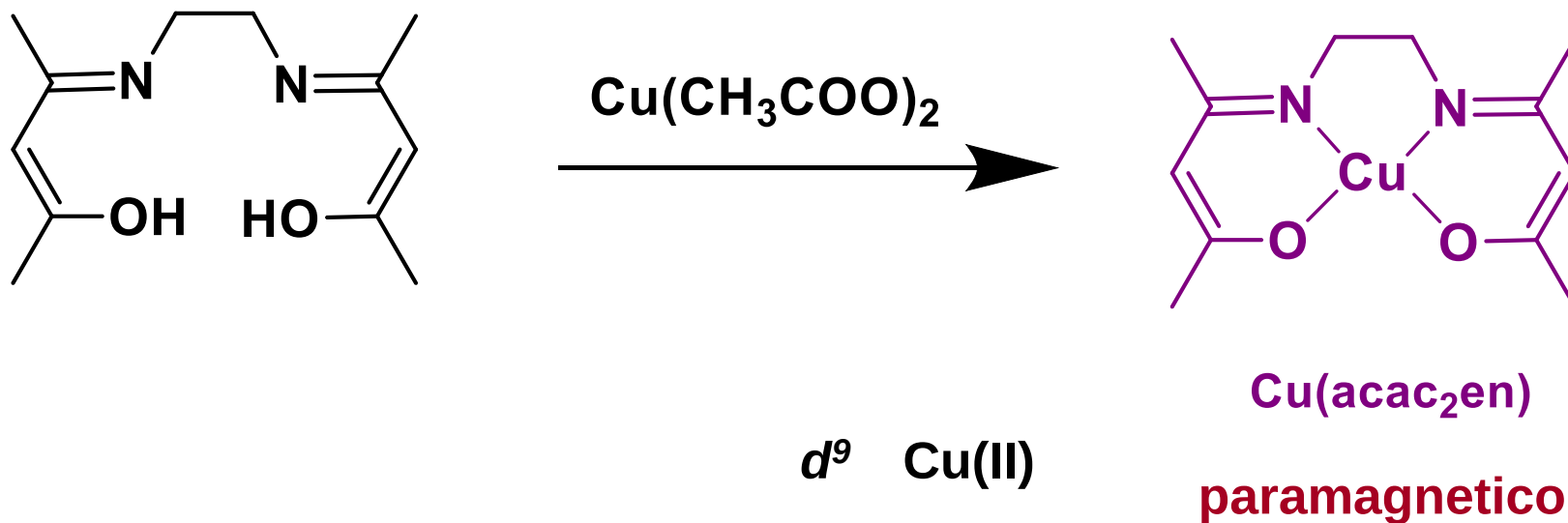
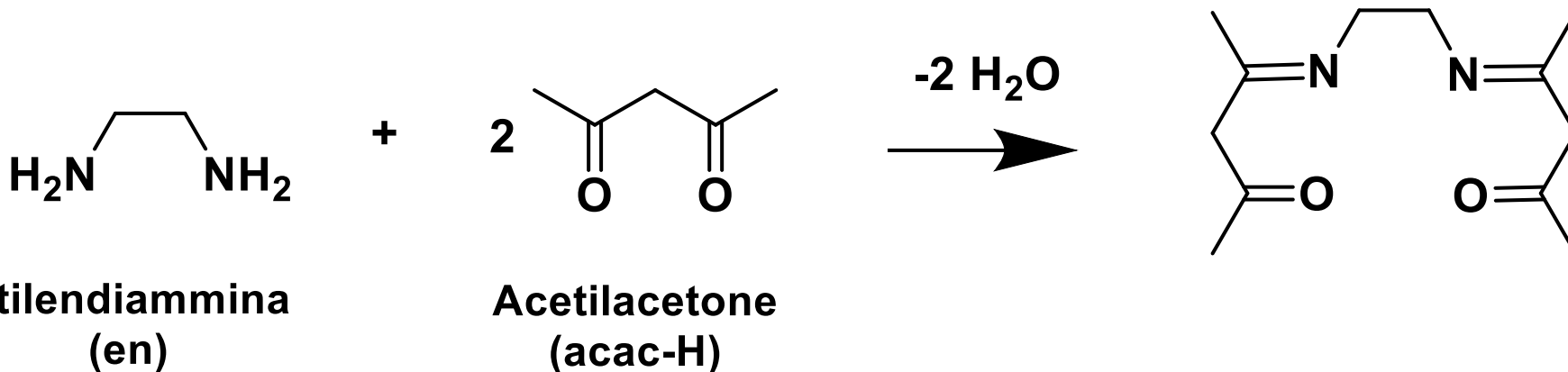


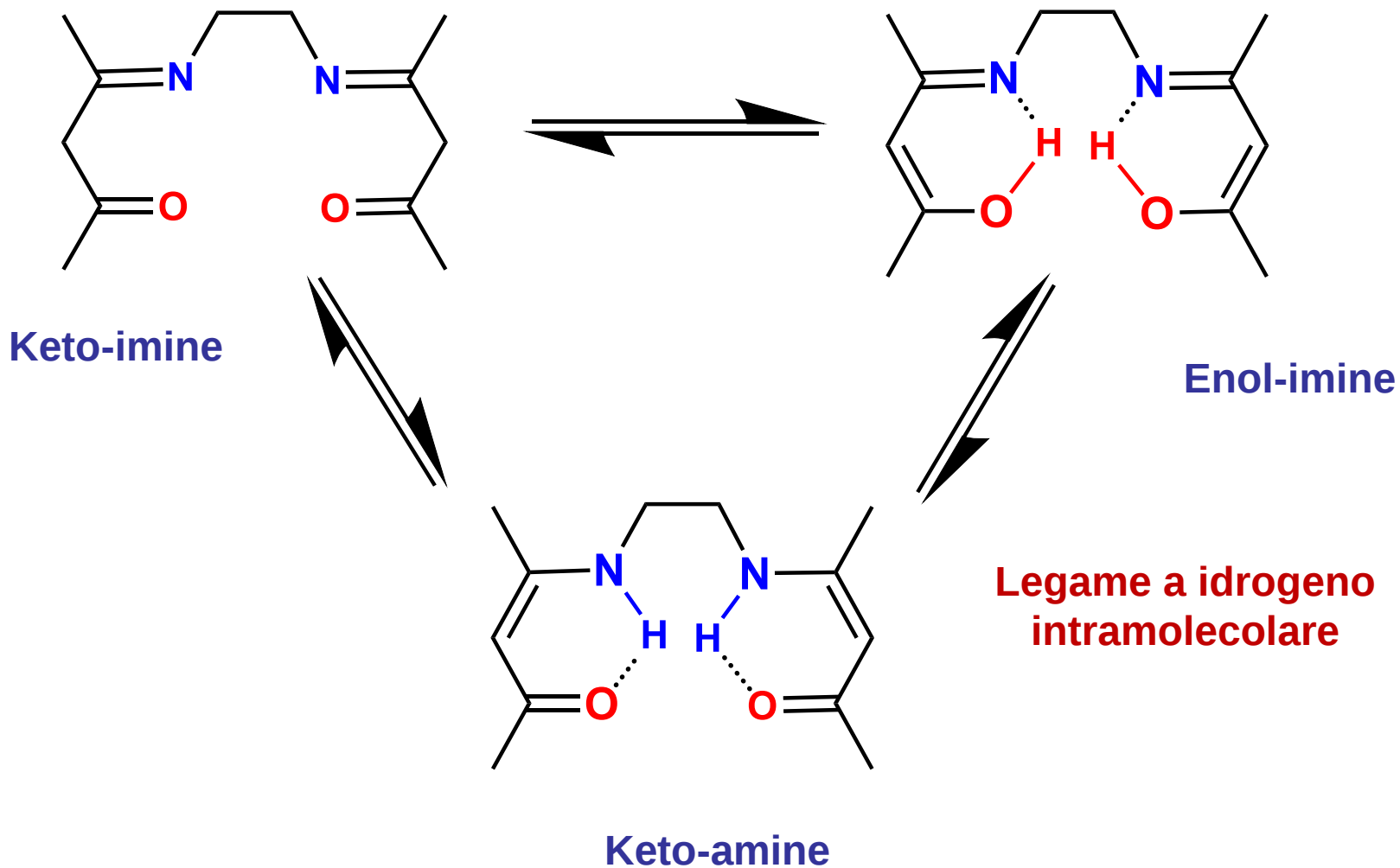
ESPERIENZA 7

SINTESI DI UN COMPLESSO DI Cu(II) CON UNA BASE DI SCHIFF

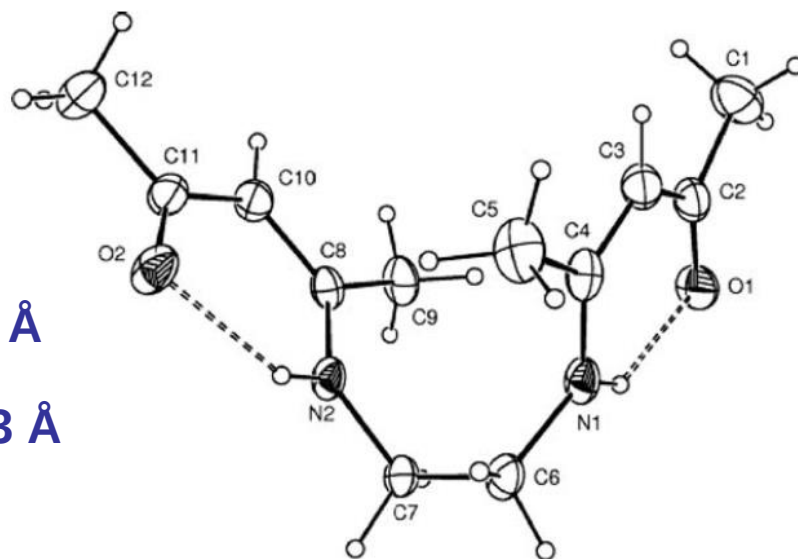


BASE DI SCHIFF

Tautomeria cheto-enolica



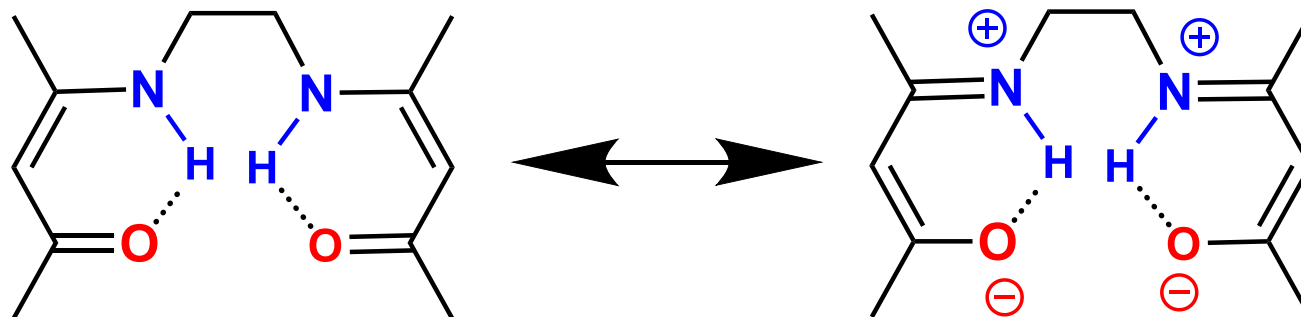
BASE DI SCHIFF



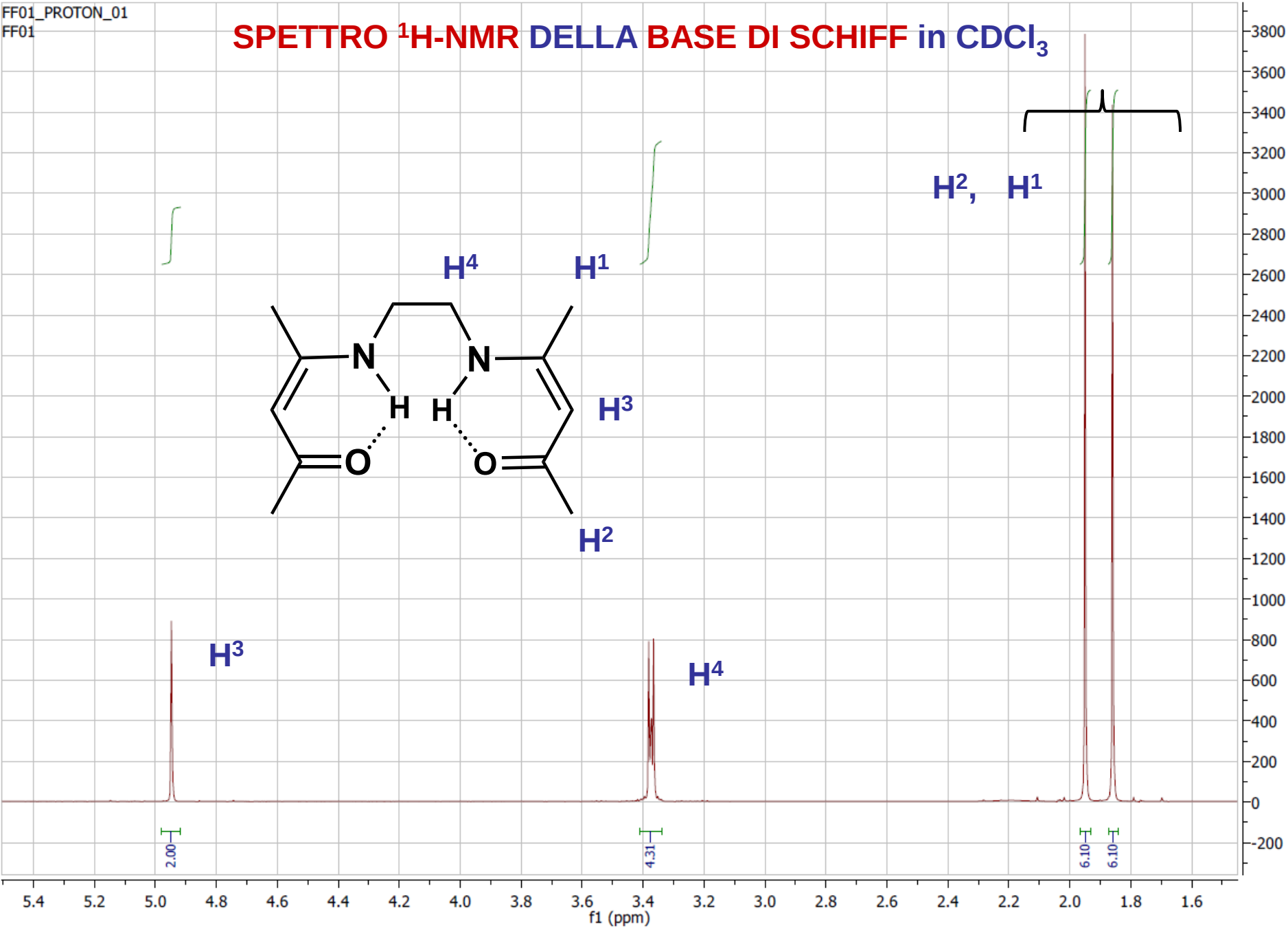
C–O bond = 1.23–1.24 Å

C–N bond = 1.32–1.33 Å

J. Molec. Struct.
2004, 688, 207–211

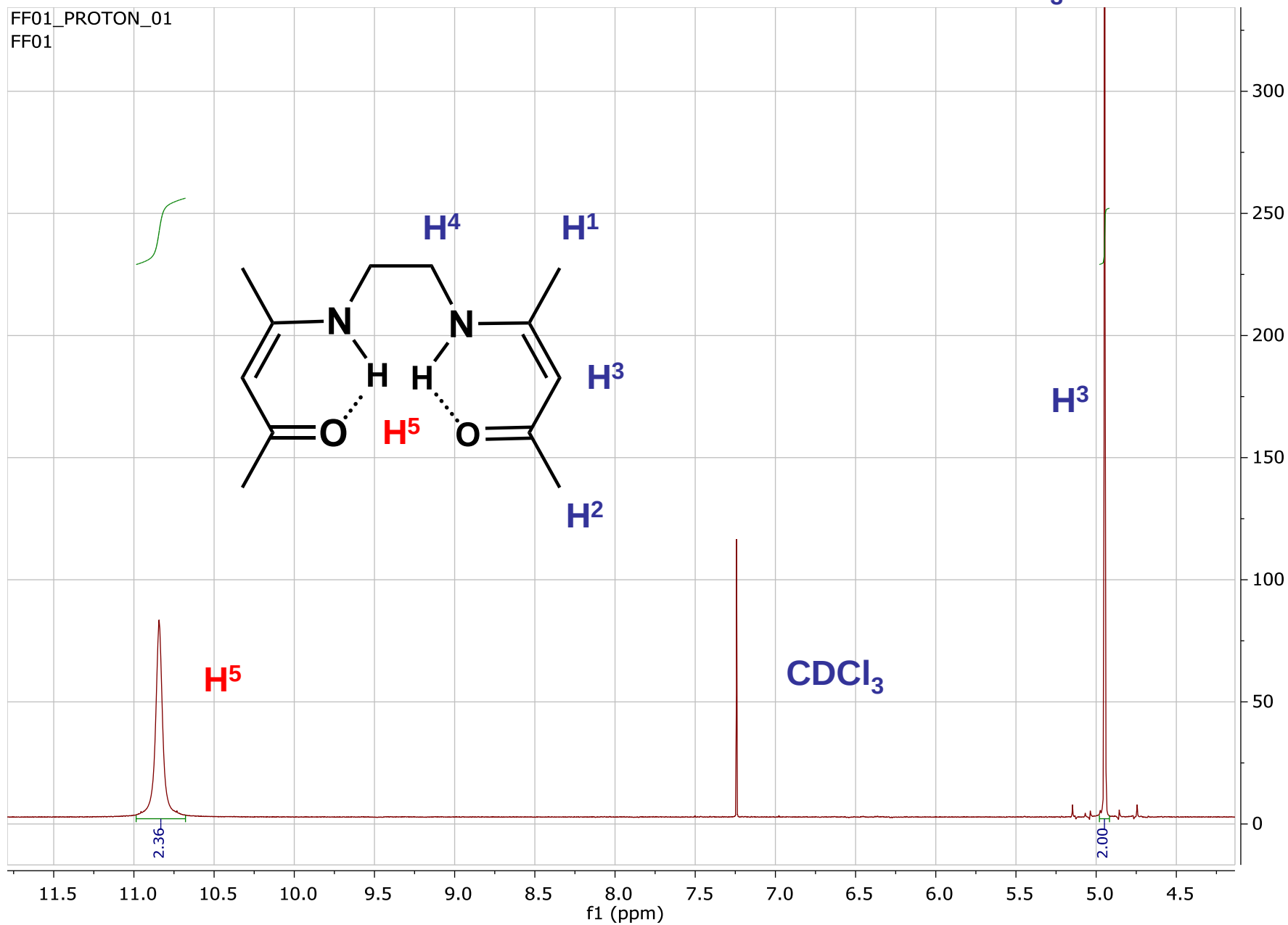


SPETTRO ¹H-NMR DELLA BASE DI SCHIFF in CDCl₃



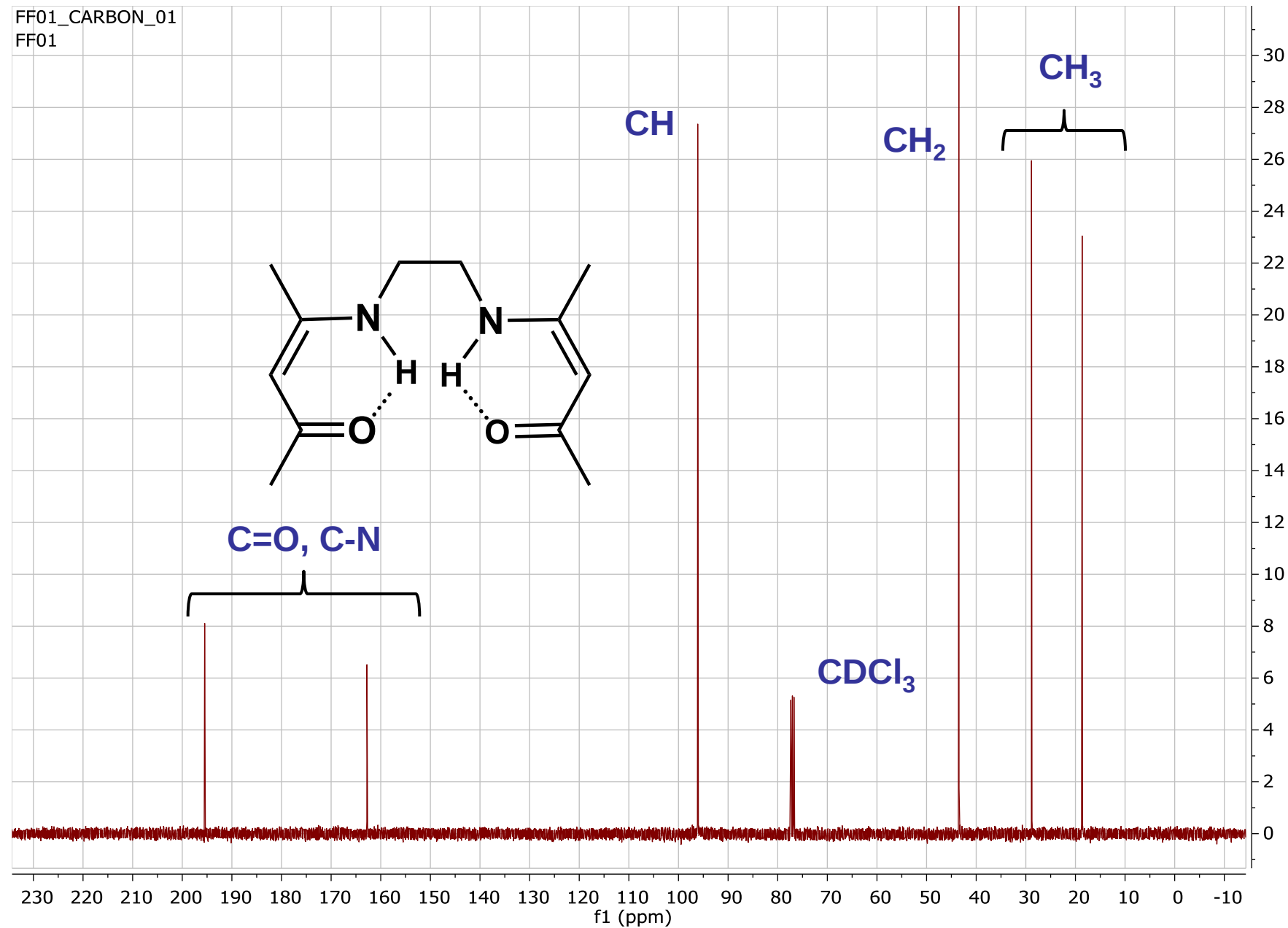
SPETTRO ^1H -NMR DELLA BASE DI SCHIFF in CDCl_3

FF01_PROTON_01
FF01

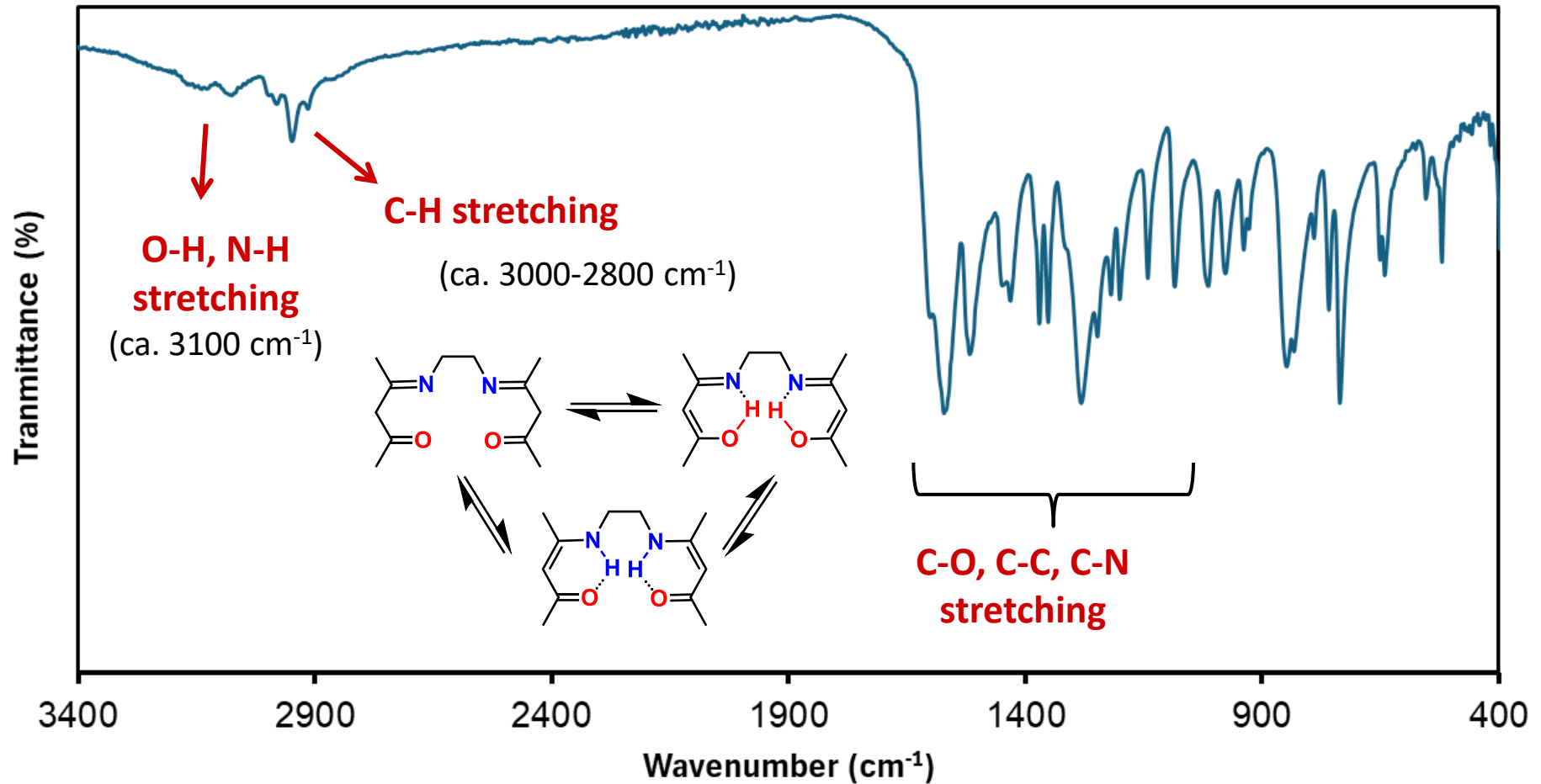


SPETTRO ^{13}C -NMR DELLA BASE DI SCHIFF in CDCl_3

FF01_CARBON_01
FF01



SPETTROSCOPIA IR



Nello spettro del **legante** si nota un notevole effetto dovuto alla presenza di un **forte legame a idrogeno intramolecolare**

Nello spettro del **complesso** si osserva la scomparsa della banda O-H/N-H e la presenza di un picco dovuto allo stretching metallo-azoto ($900\text{-}400 \text{ cm}^{-1}$)