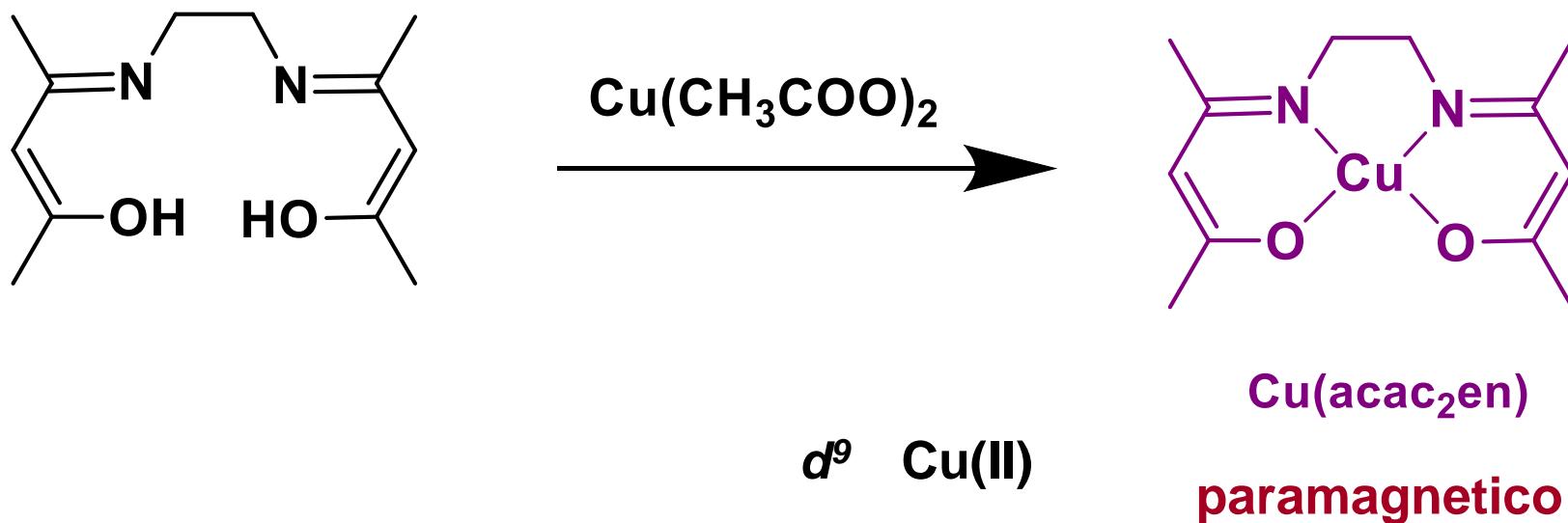
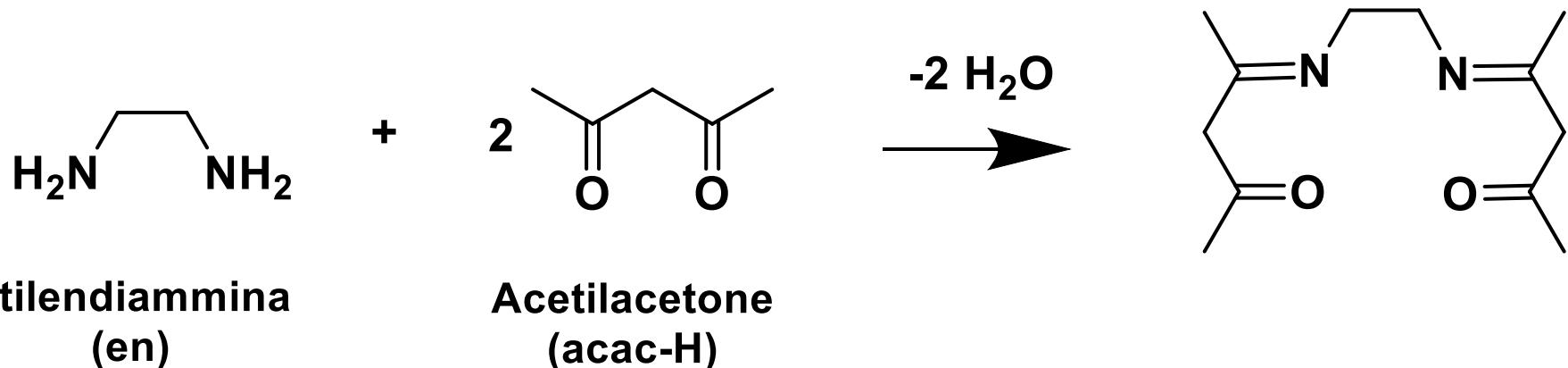


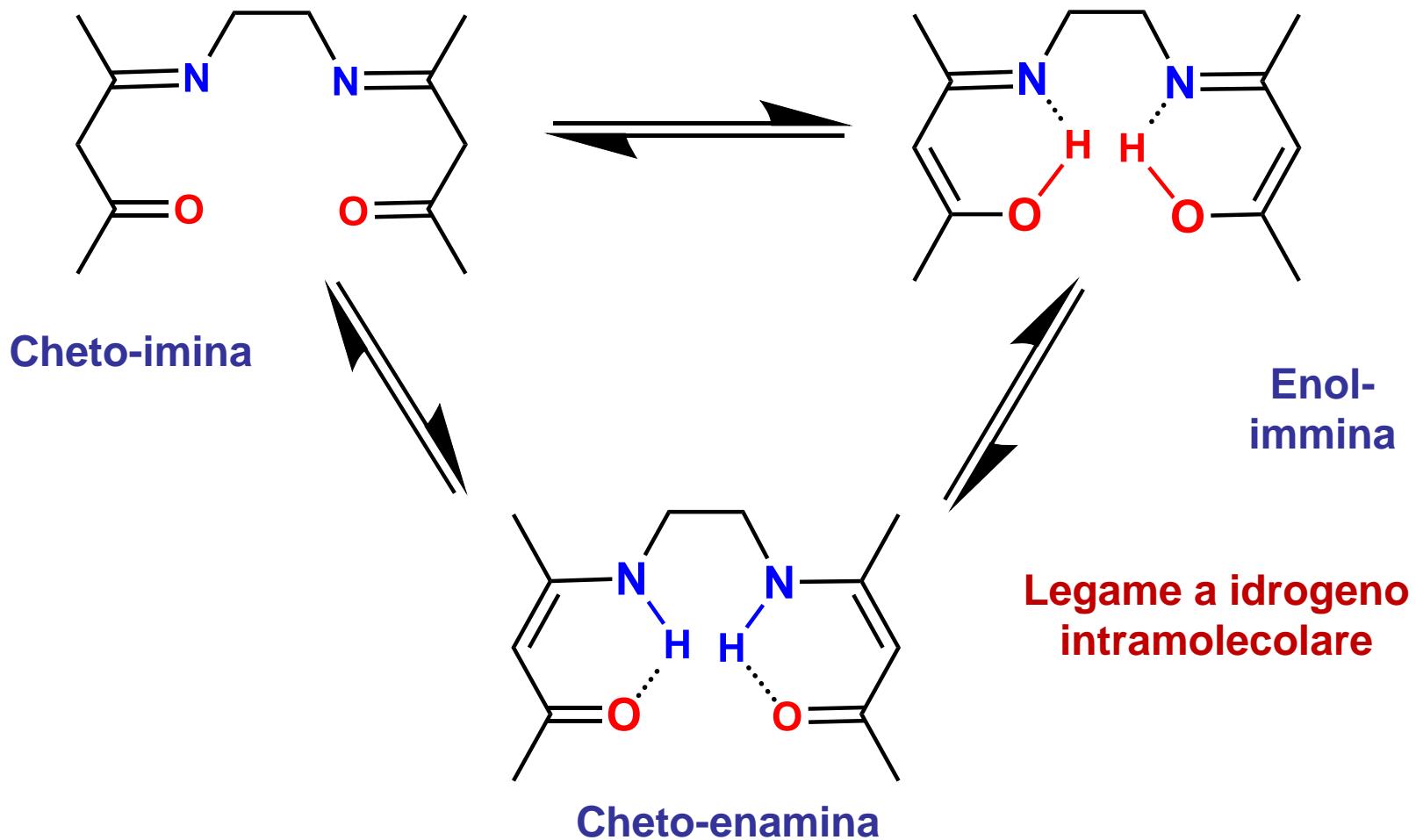
ESPERIENZA 6

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

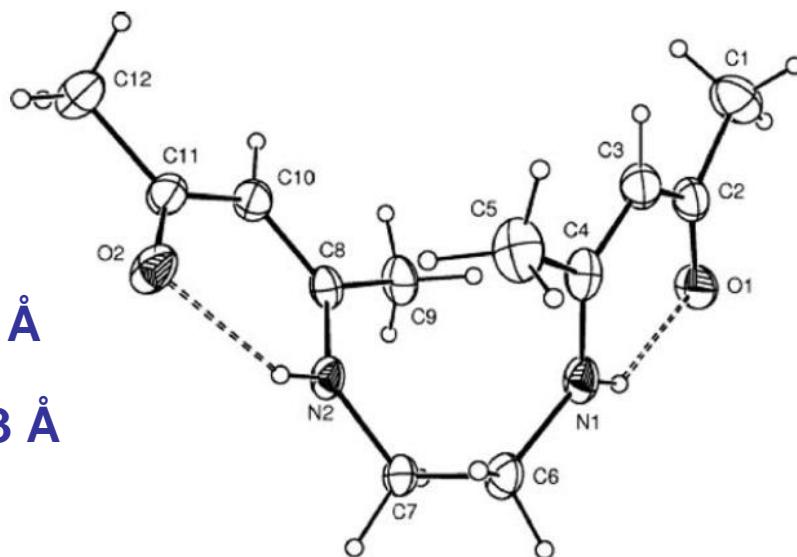


BASE DI SCHIFF

Tautomeria cheto-enolica



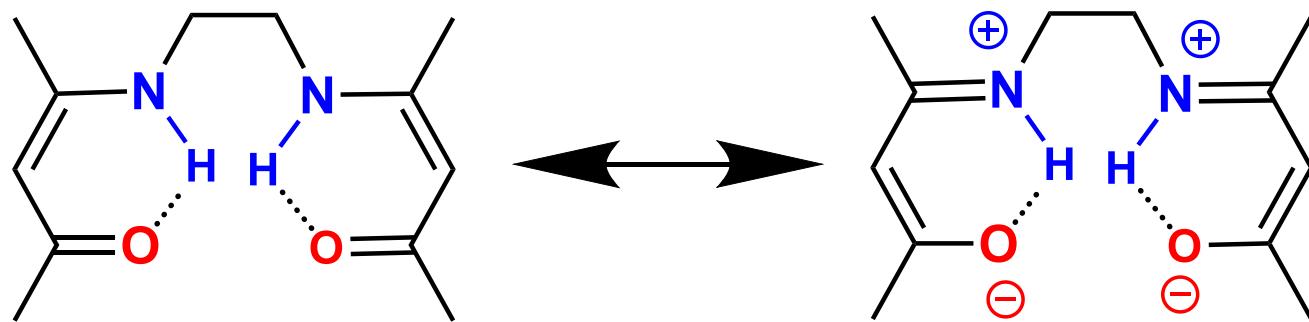
BASE DI SCHIFF



C–O bond = 1.23–1.24 Å

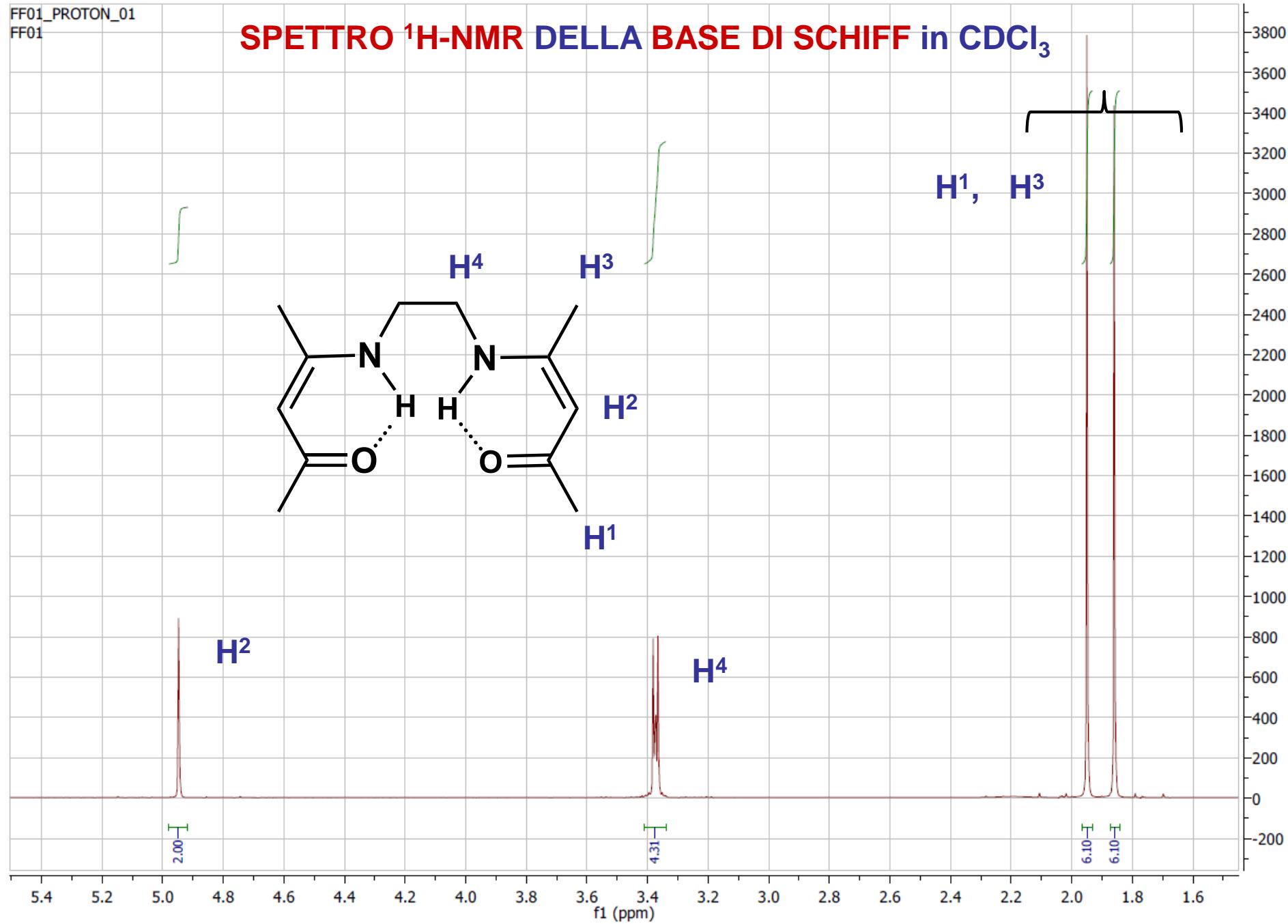
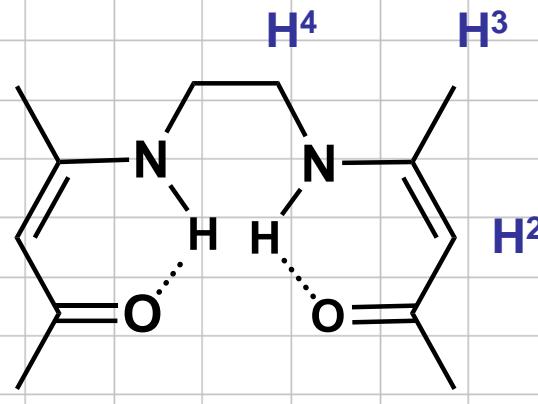
C–N bond = 1.32–1.33 Å

J. Molec. Struct.
2004, 688, 207–211

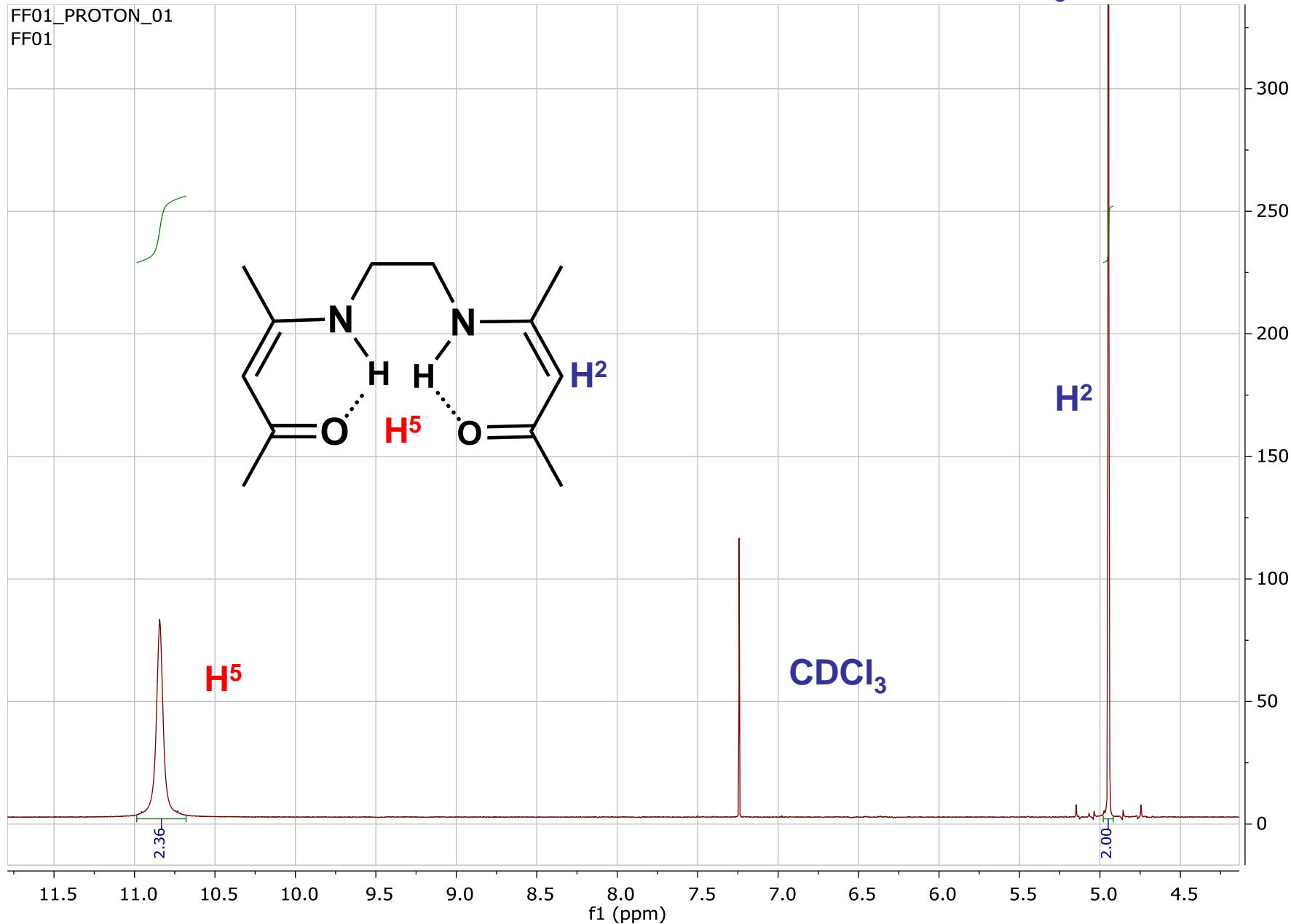


FF01_PROTON_01

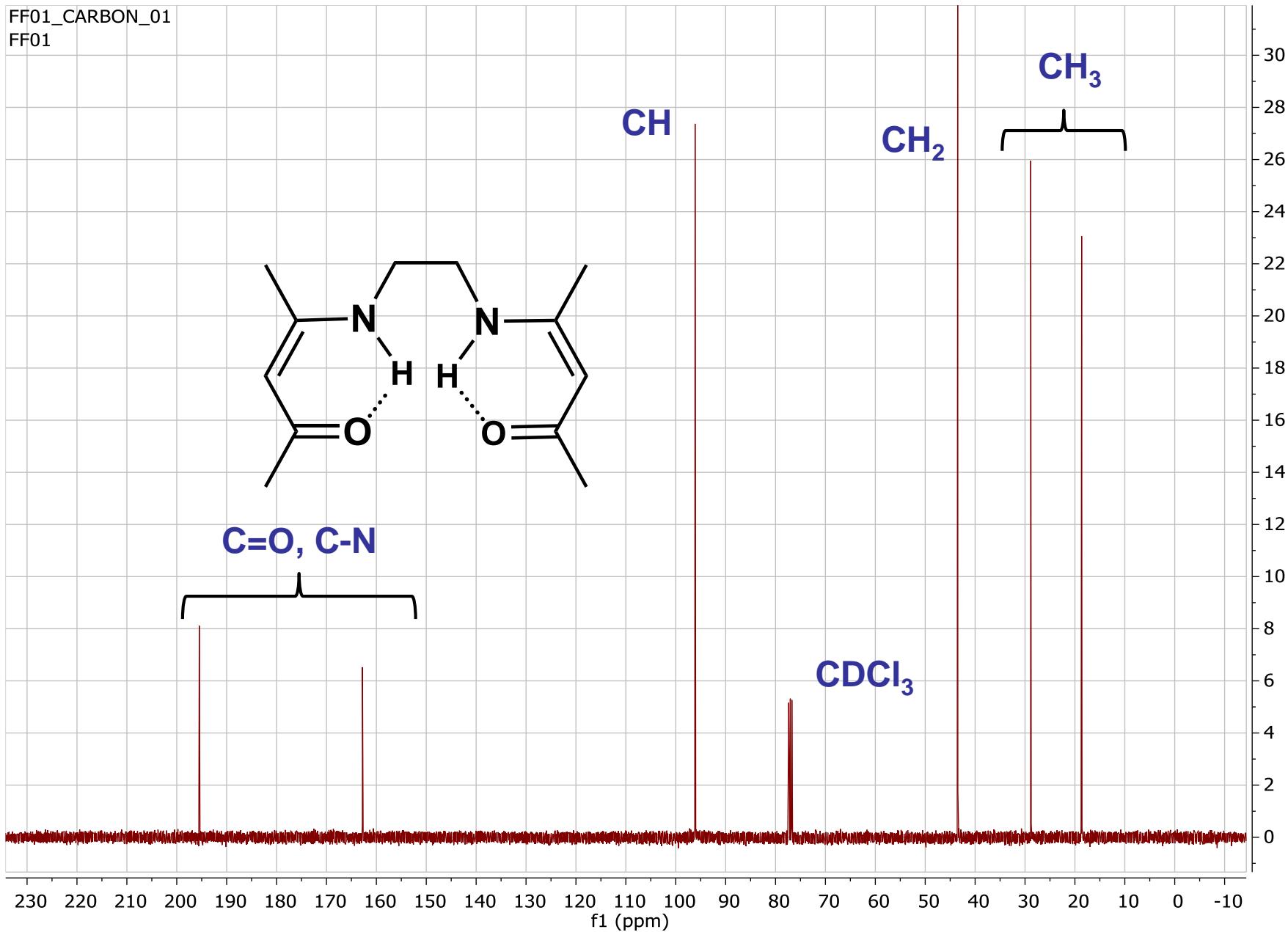
FF01

SPETTRO $^1\text{H-NMR}$ DELLA BASE DI SCHIFF in CDCl_3 

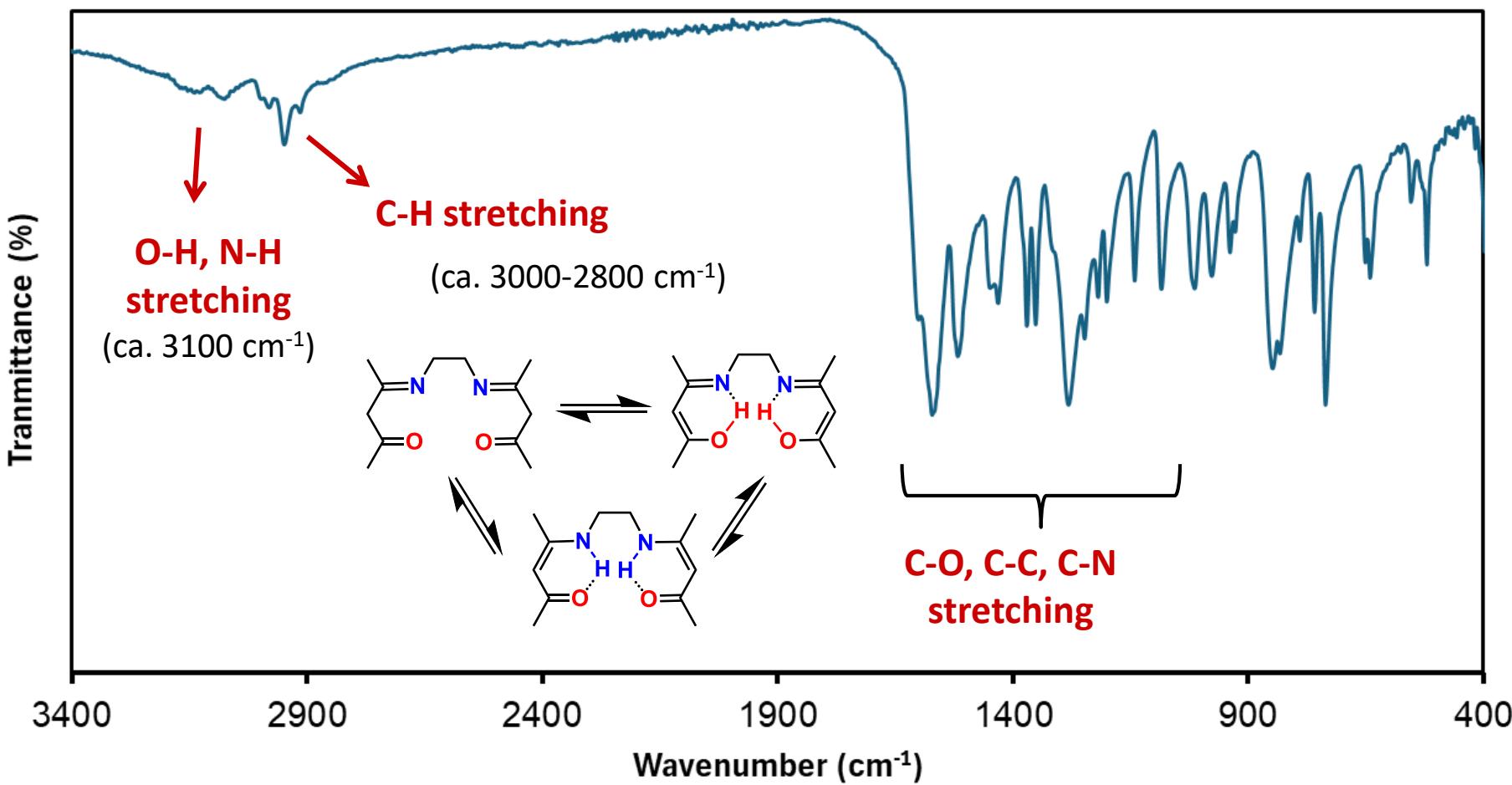
SPETTRO $^1\text{H-NMR}$ DELLA BASE DI SCHIFF in CDCl_3



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



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 ($900-400 \text{ cm}^{-1}$)