



STRUCTURAL
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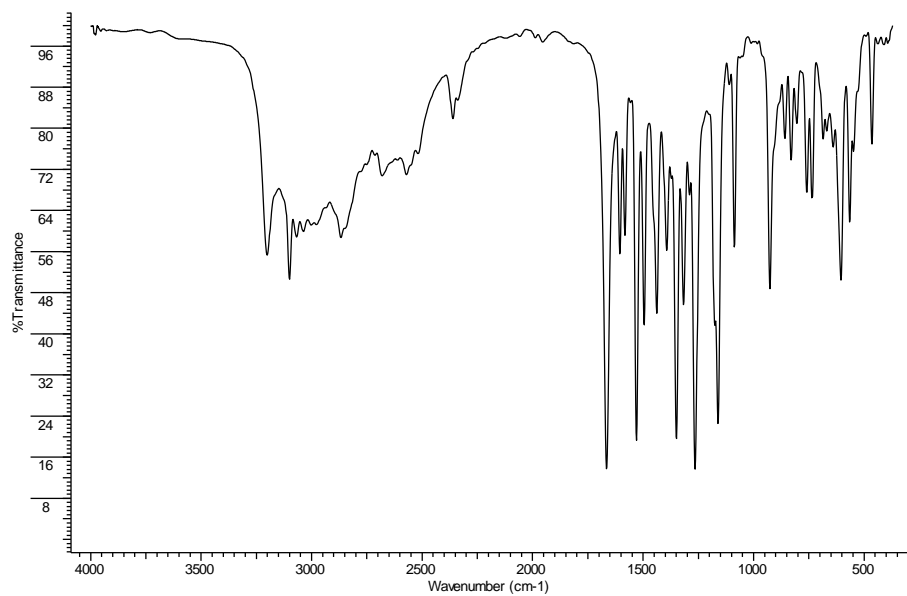
Supporting information for article:

Synthesis, crystal structure and studies on the interaction with albumin of a new silver(I) complex based on 2-(4-nitrobenzene-sulfonamido)benzoic acid

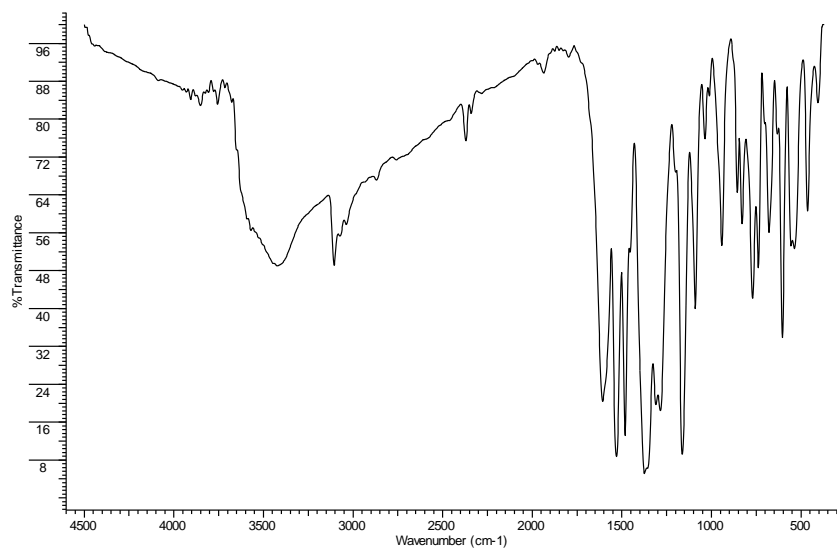
Lucius Flavius Ourives Bomfim Filho, Cleidivania Rocha, Bernardo Lages Rodrigues, Heloisa Beraldo and Leticia Regina Teixeira

S1. Infrared spectra in the range of 4000 - 400 cm^{-1} .

HL

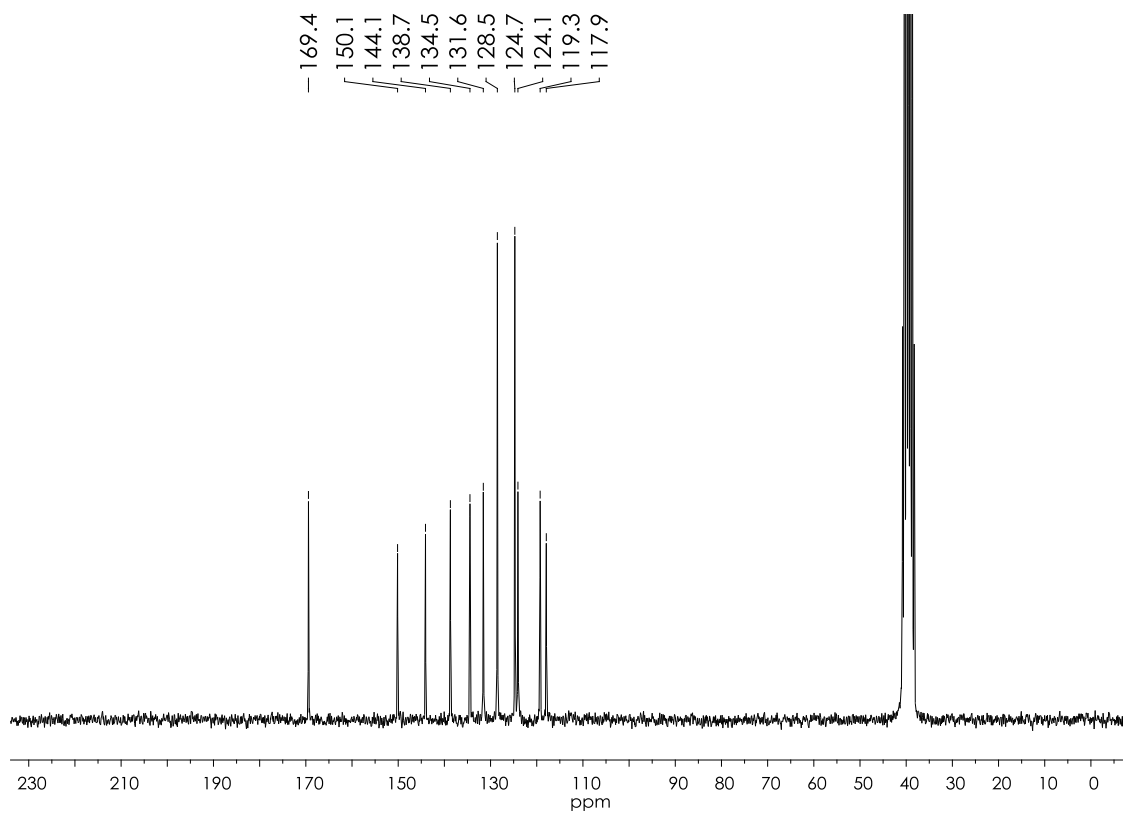
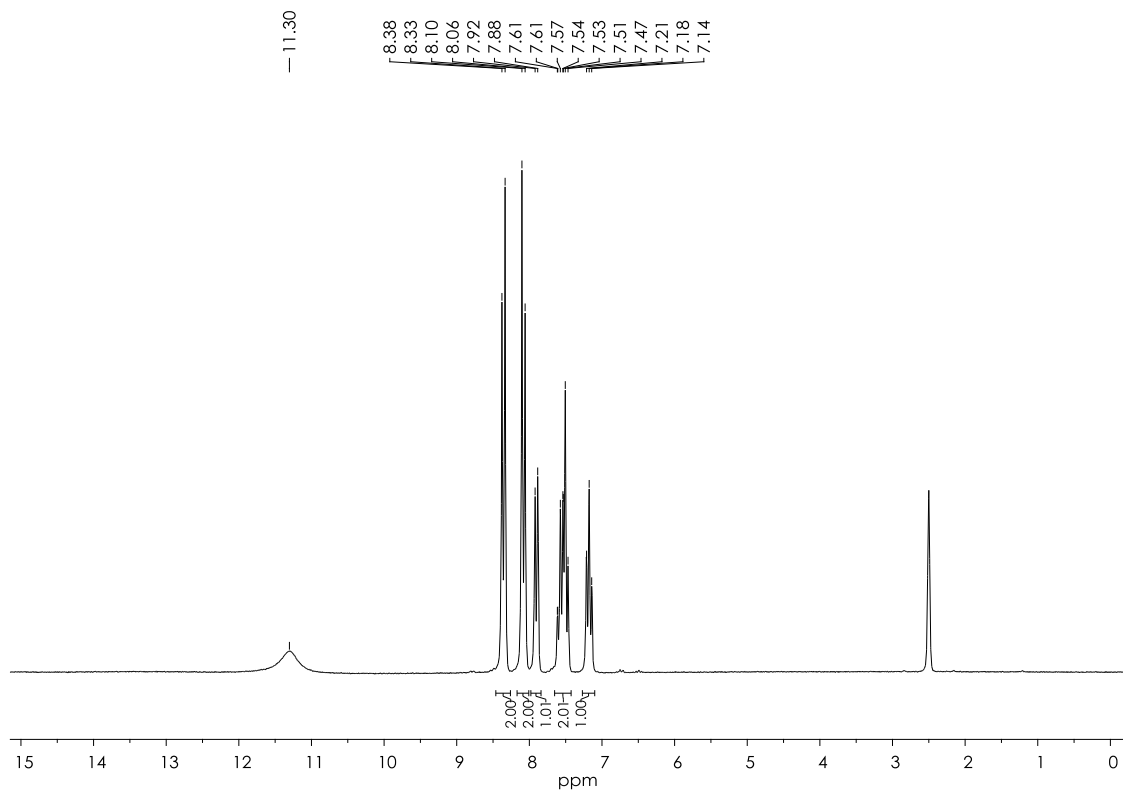


AgL

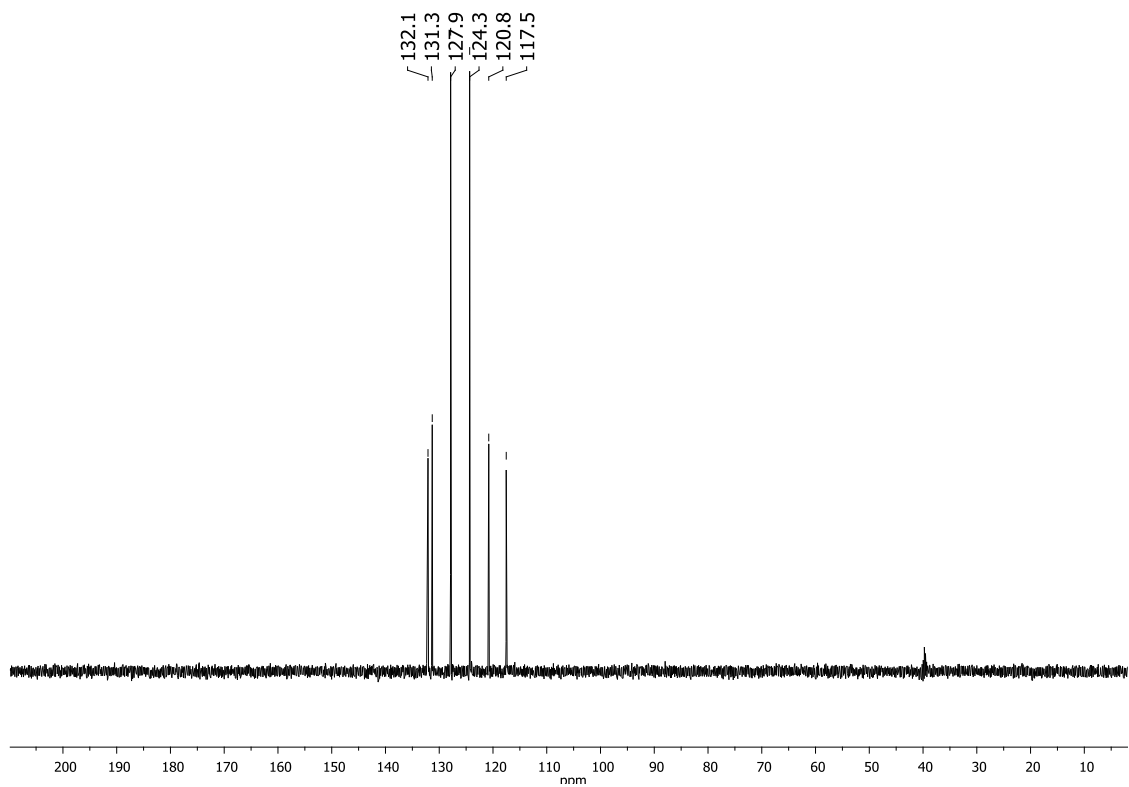
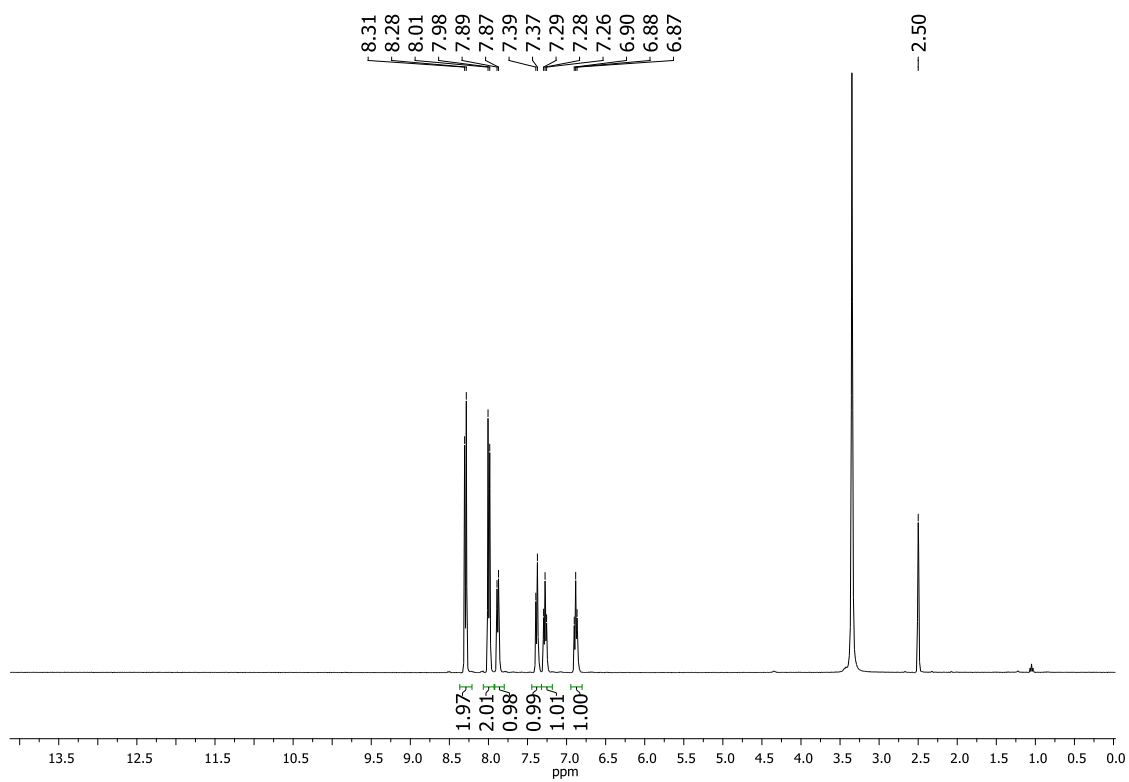


S2. NMR ¹H and ¹³C{¹H} spectra in 400 MHz (DMSO-d₆).

HL



AgL

S3. *Hirshfeld surface analysis*

Hirshfeld surfaces were obtained following F. L. Hirshfeld (Theor. Chim. Acta 44, 129 – 138 (1977)) using $w_i(\mathbf{r}) = 0.5$. d_{norm} is a function of d_i (distance of a point in the surface to the nearest atom inside the surface), d_e (distance of a point in the surface to the nearest atom outside the surface) and the van der Waals radii of these atoms:

$$d_{\text{norm}} = \frac{d_i - r_i^{\text{vdW}}}{r_i^{\text{vdW}}} + \frac{d_e - r_e^{\text{vdW}}}{r_e^{\text{vdW}}}$$

The CrystalExplorer program following the approach described McKinnon, Spackman and Mitchell (Acta Cryst., B60, 627 -668), was used for mapping the surfaces of the metal and of the ligand as well to draw the fingerprint plots of these surfaces.