



STRUCTURAL  
CHEMISTRY

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**Supporting information for article:**

**Low-dimensional compounds containing bioactive ligands. XXII.  
First crystal structure, cytotoxic activity, DNA and HSA binding of a  
zirconium(IV) complex with 8-hydroxyquinoline-2-carboxylic acid**

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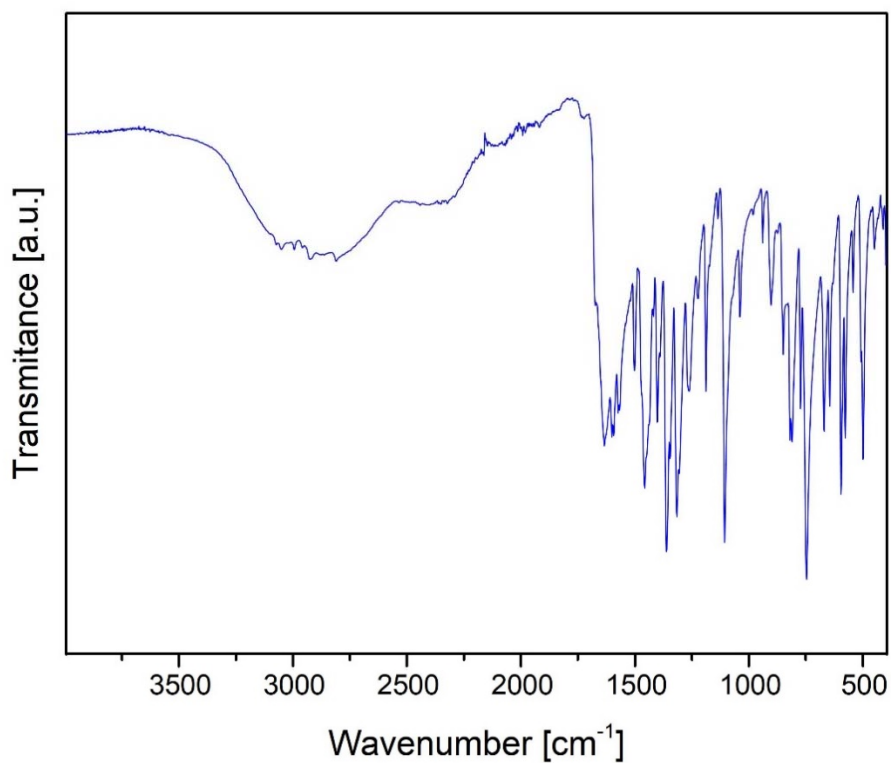


Figure S1 FT-IR spectrum of 1.

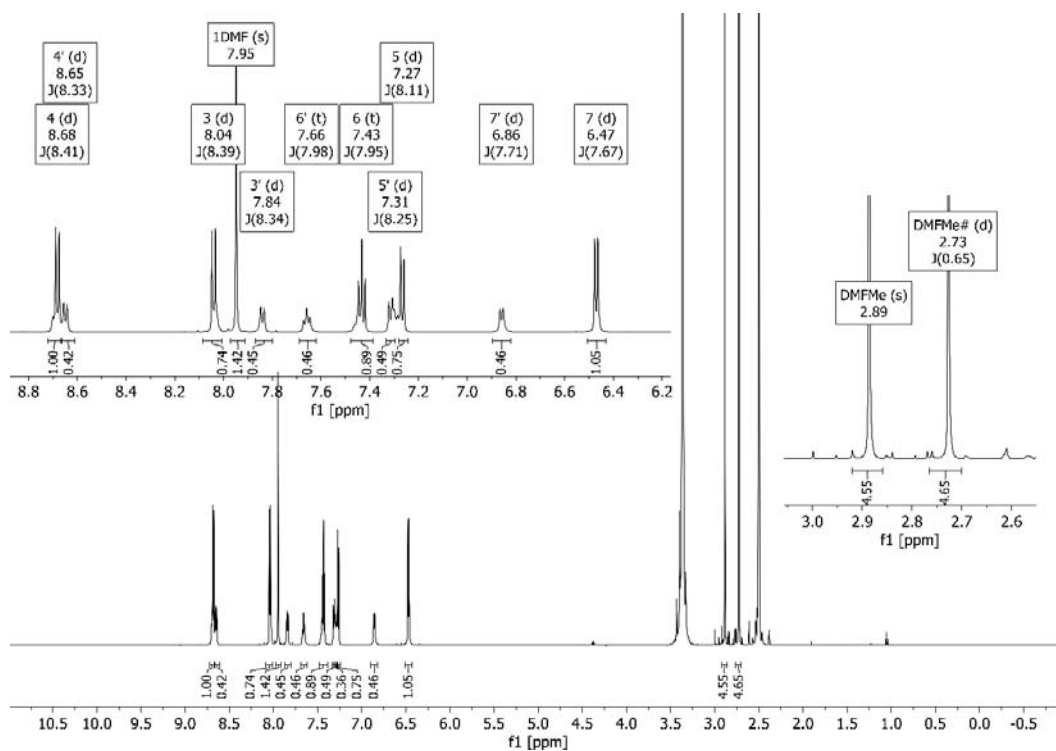


Figure S2 <sup>1</sup>H NMR (600 MHz, DMSO-d<sub>6</sub>) spectrum of 1.

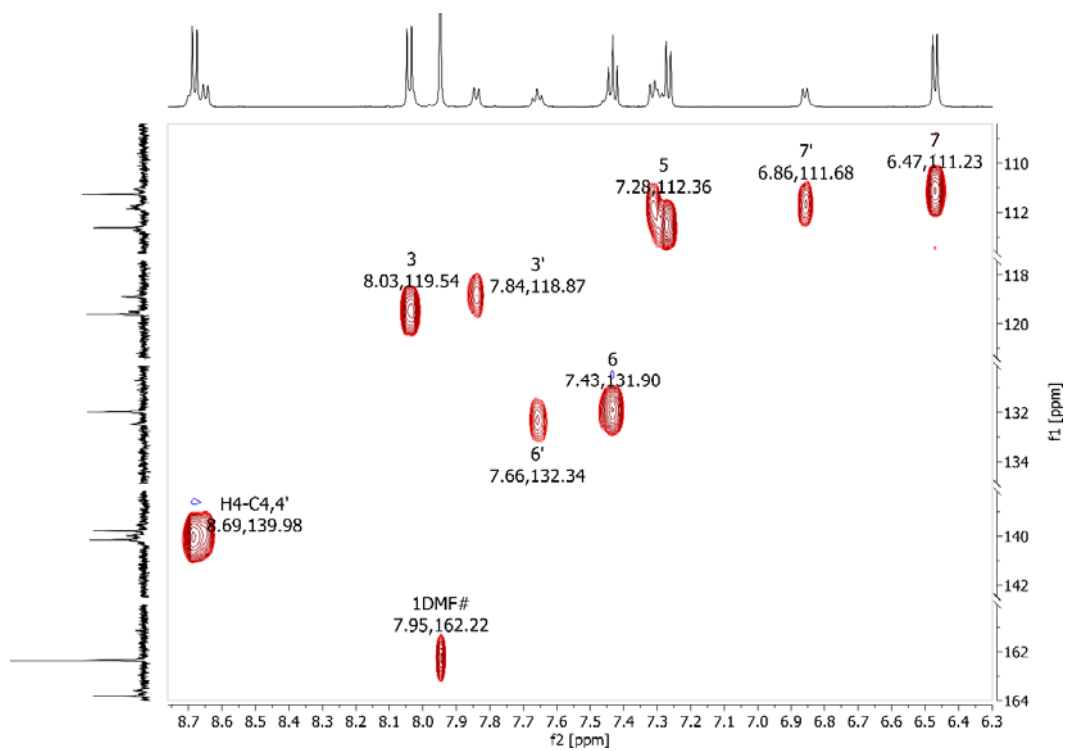


Figure S3  $^1\text{H},^{13}\text{C}$ -HSQC (DMSO- $d_6$ ) spectrum of **1**.

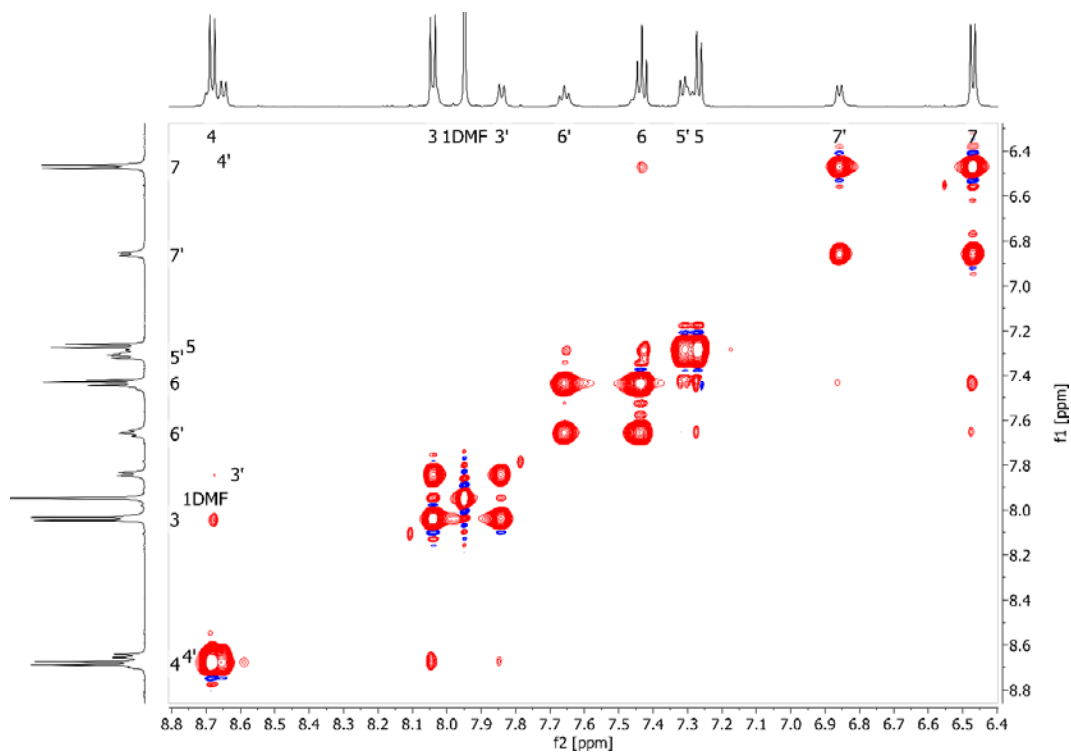
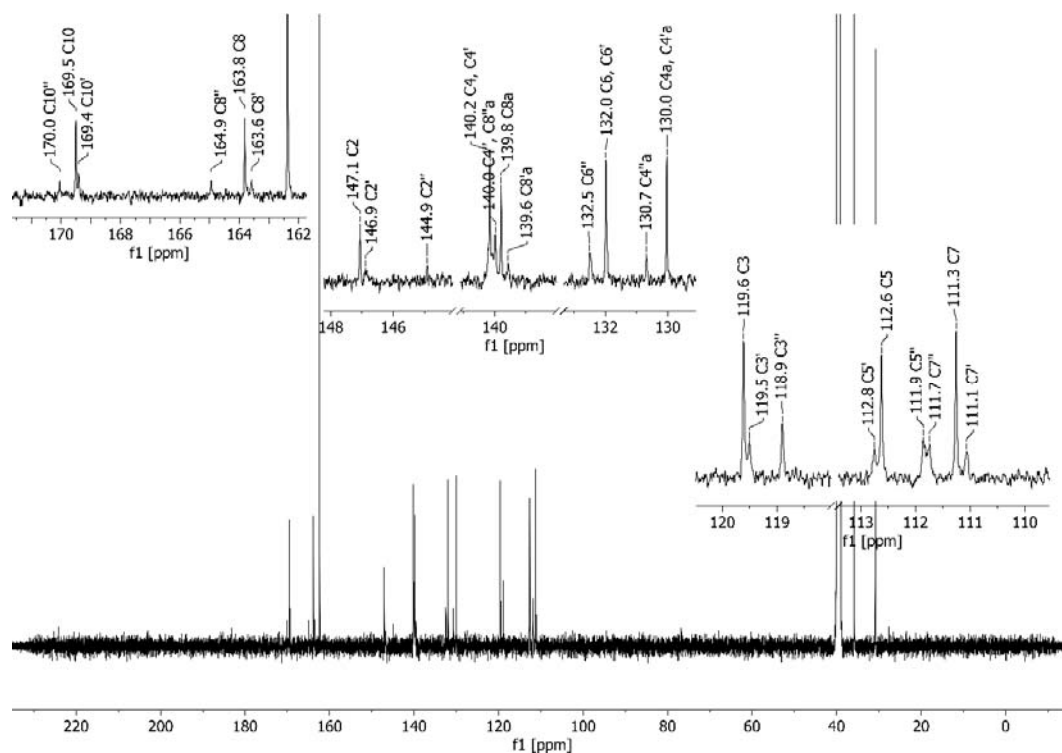
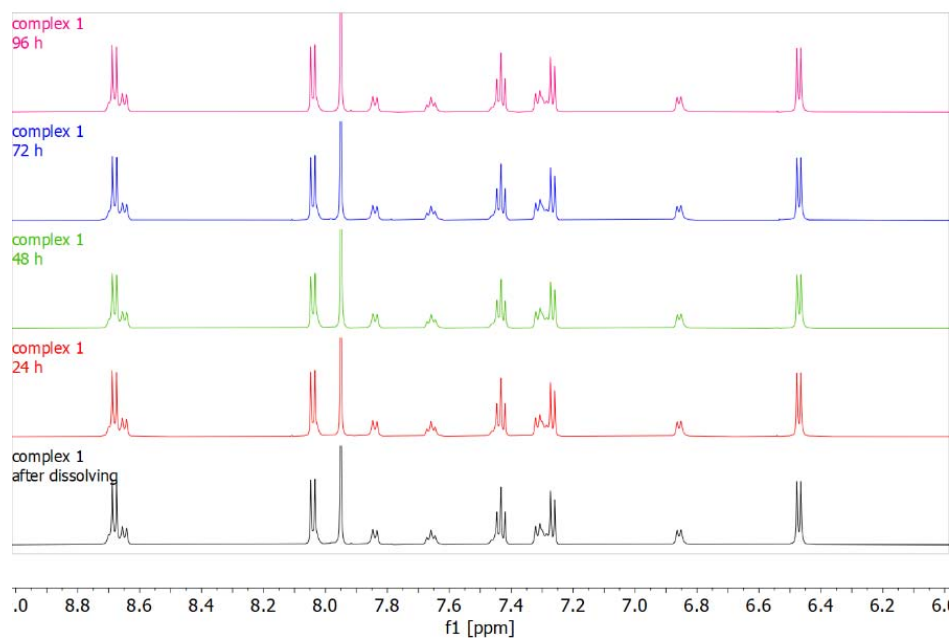


Figure S4 2D NOESY (DMSO- $d_6$ ) spectrum of **1**.



**Figure S5**  $^{13}\text{C}$  NMR (150 MHz,  $\text{DMSO-d}_6$ ) spectrum of **1**.



**Figure S6** Time-dependent  $^1\text{H}$  NMR (600 MHz,  $\text{DMSO-d}_6$ ) spectra of **1**.