

Supplementary material for the article:

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## Supporting Information

Synthesis, characterization and cytotoxic activity of organoruthenium(II)-halido complexes with 5-chloro-1*H*-benzimidazole-2-carboxylic acid

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# NMR Spectroscopy

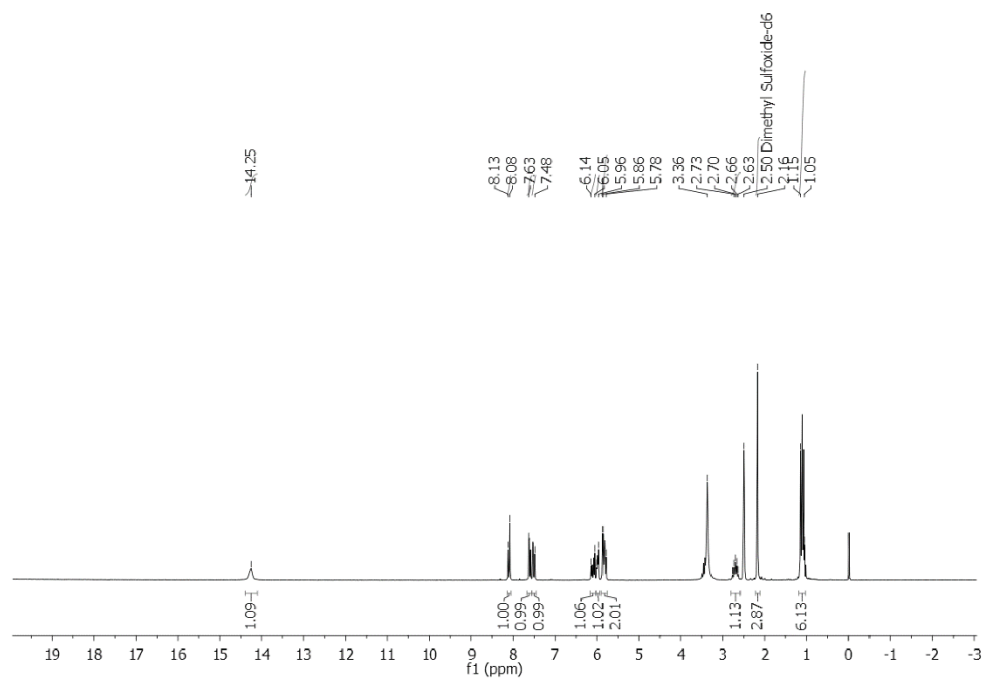


Figure S1.  $^1\text{H}$  NMR spectra of **1** recorded in DMSO.

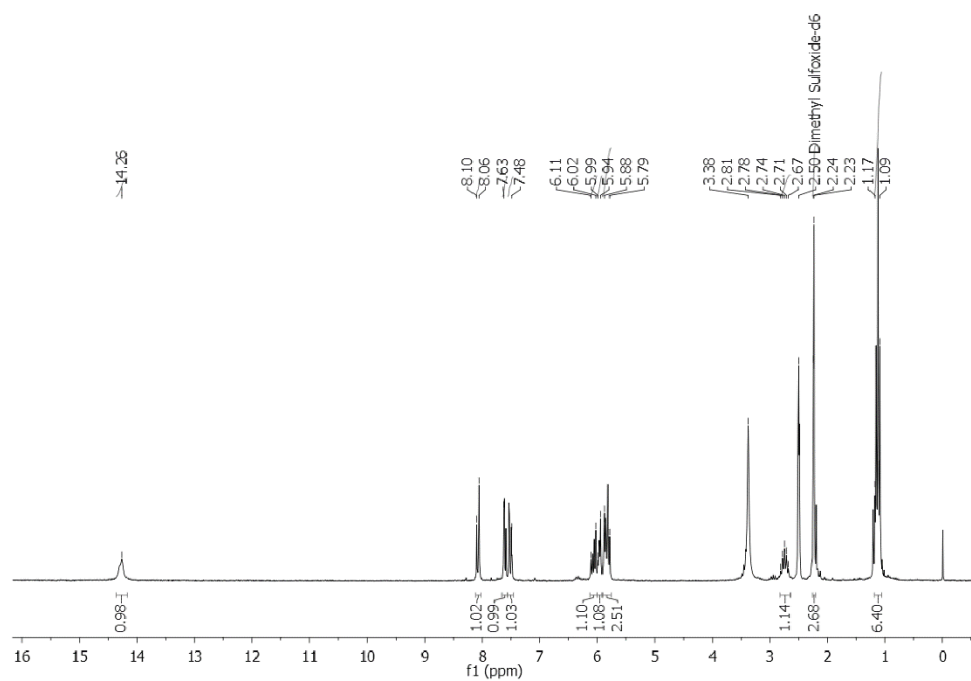


Figure S2.  $^1\text{H}$  NMR spectra of **2** recorded in DMSO.

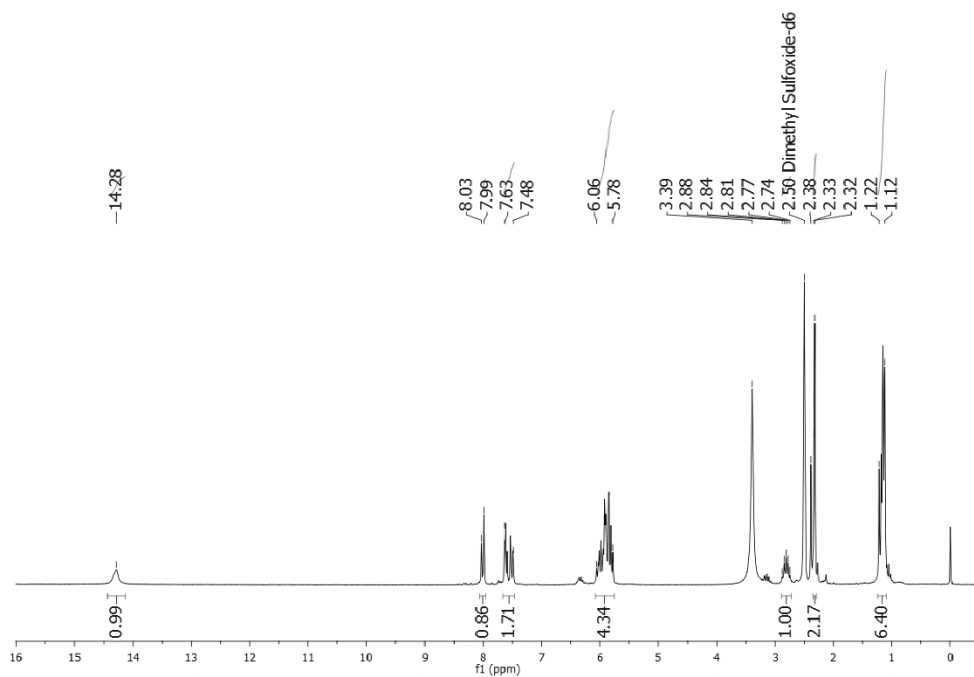


Figure S3.  $^1\text{H}$  NMR spectra of **3** recorded in DMSO.

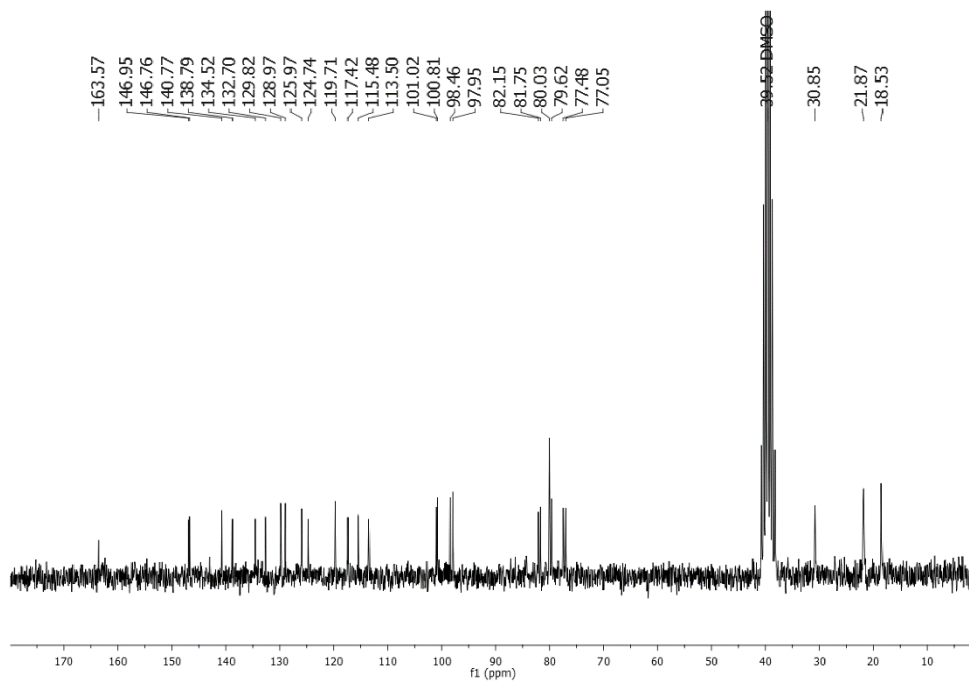


Figure S4.  $^{13}\text{C}$  NMR spectra of **1** recorded in DMSO.

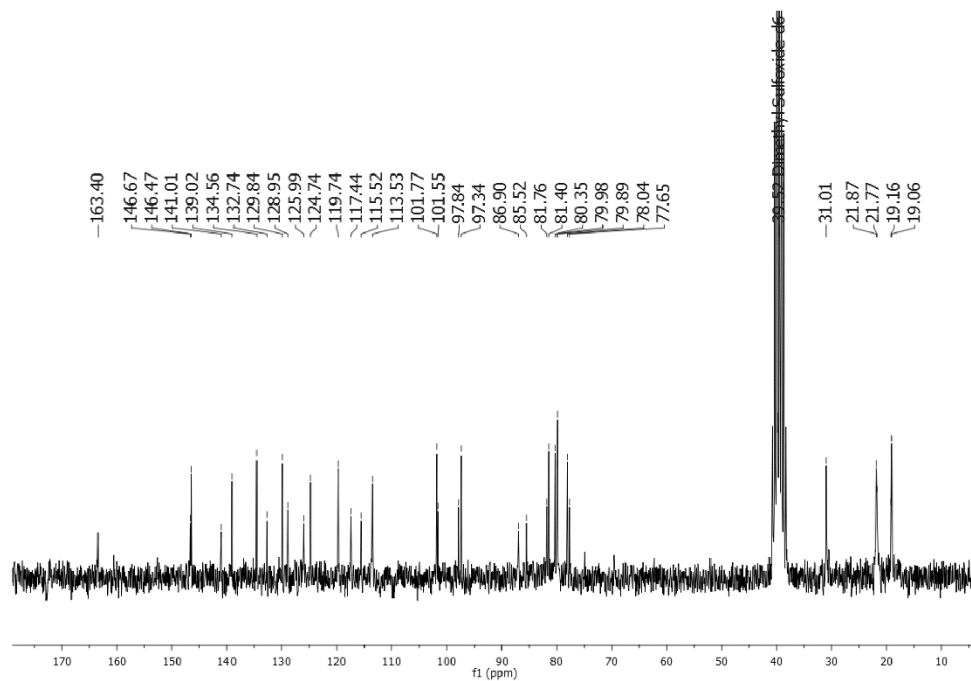


Figure S5.  $^{13}\text{C}$  NMR spectra of **2** recorded in DMSO.

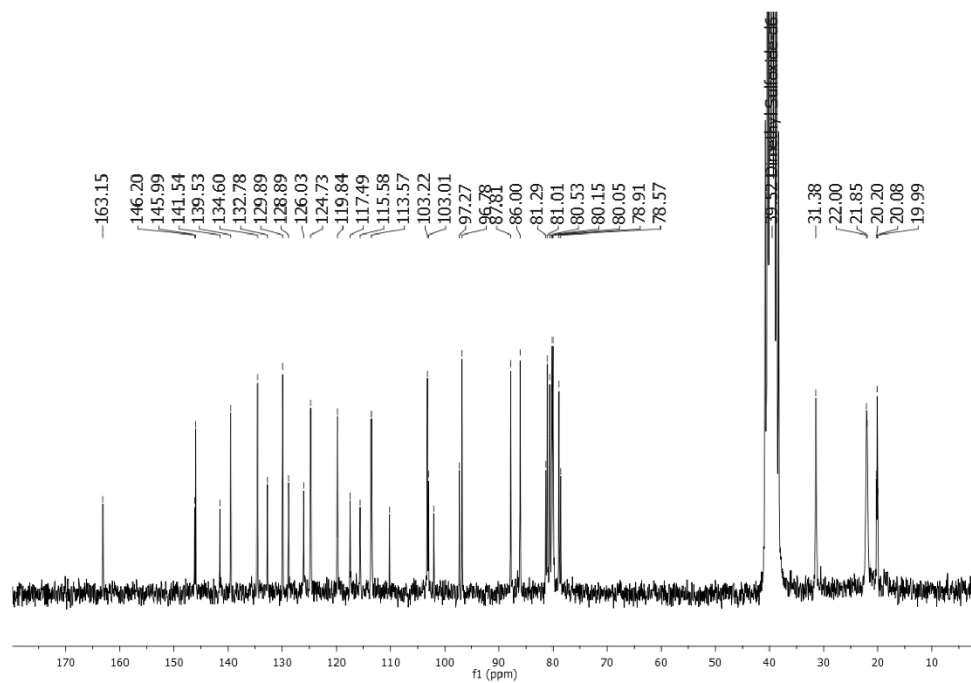


Figure S6.  $^{13}\text{C}$  NMR spectra of **3** recorded in DMSO.

## UV-Vis spectroscopy

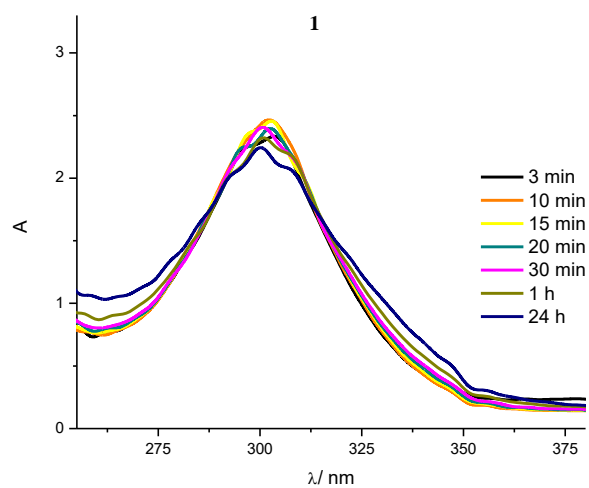


Figure S7. UV-Vis spectrum of **1** in water-PEG400 mixture (1:1) at 25 °C during 24 h.

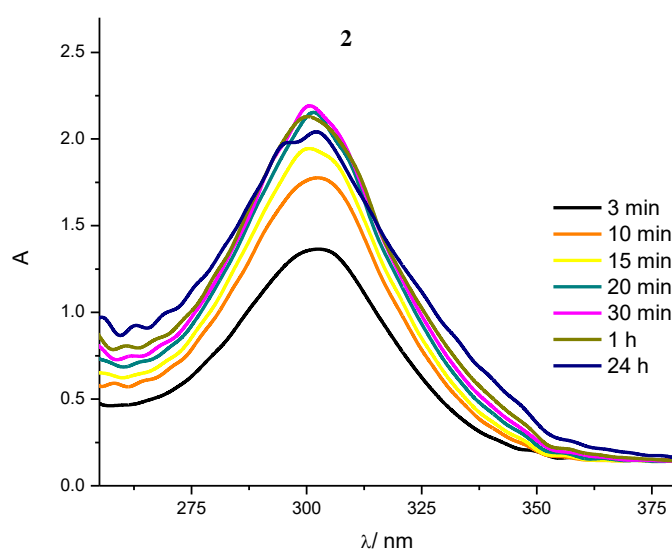


Figure S8. UV-Vis spectrum of **2** in water-PEG400 mixture (1:1) at 25 °C during 24 h.

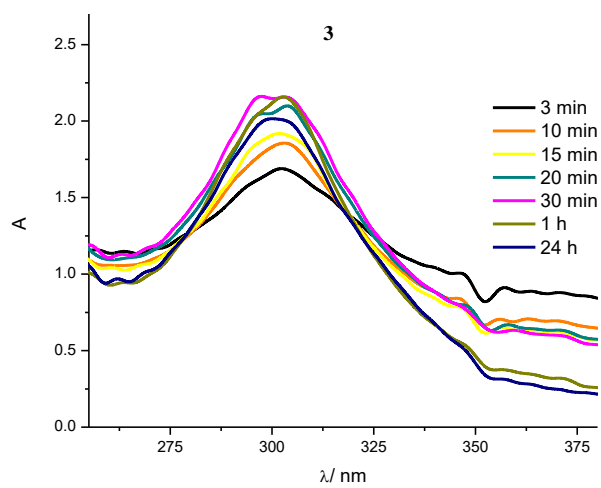


Figure S9. UV-Vis spectrum of **3** in water-PEG400 mixture (1:1) at 25 °C during 24 h.