

Supplementary materials

**Ru(III)-TMSO complexes containing azole-based ligands: synthesis  
and biological evaluation as antitumor agents**

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1. Figure S1-S5.  $^1\text{H}$ -NMR spectrum of *mer*-RuCl<sub>3</sub>(TMSO)<sub>3</sub> in D<sub>2</sub>O at various temperature.
2. Figure S6. Uv-visible spectra of complex **4**, glutathione, and the 1:1 mixture of complex **4** and glutathione.
3. Figure S7-S10. Uv-visible study of log P (partition coefficient).

Figure S1

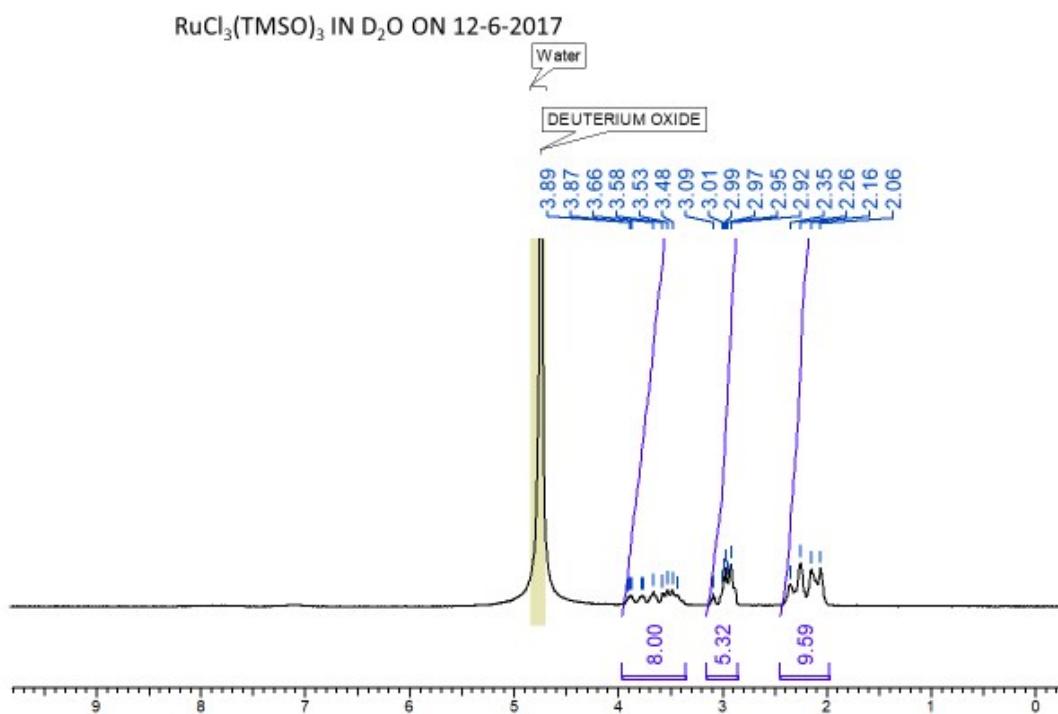


Figure S2

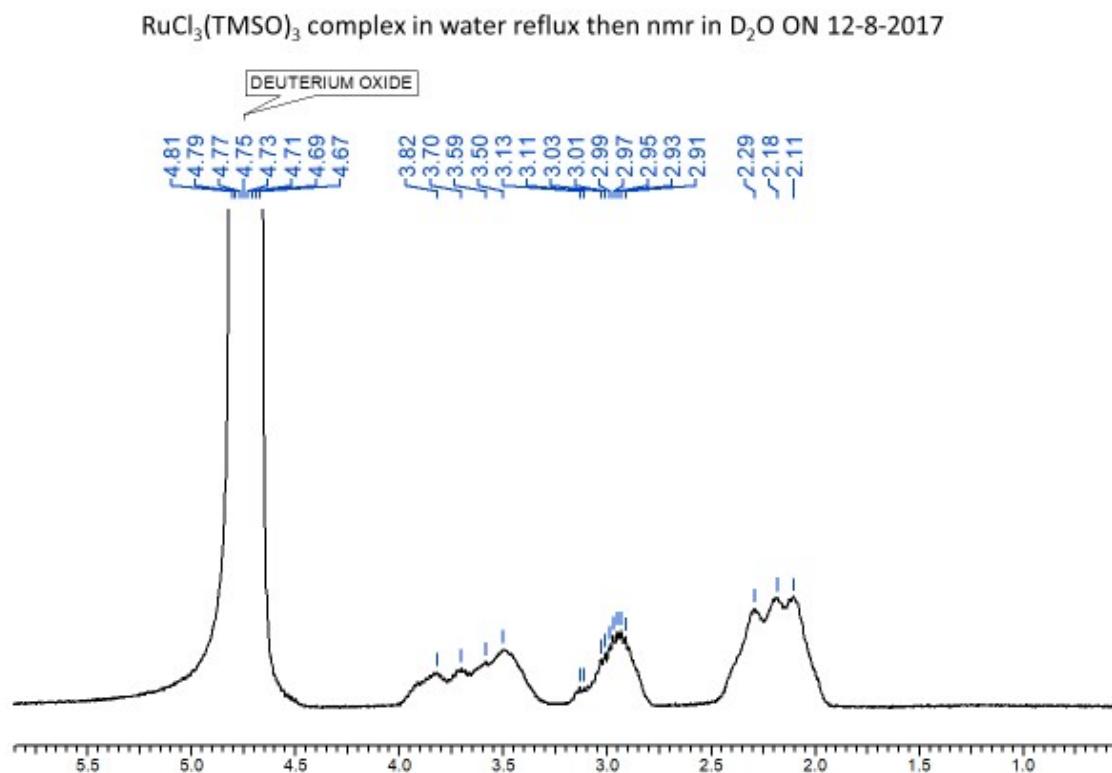


Figure S3

RuCl<sub>3</sub>(TMSO)<sub>3</sub> complex in D<sub>2</sub>O (NMR sample) heating at 75 °C then nmr in D<sub>2</sub>O ON  
12-7-2017

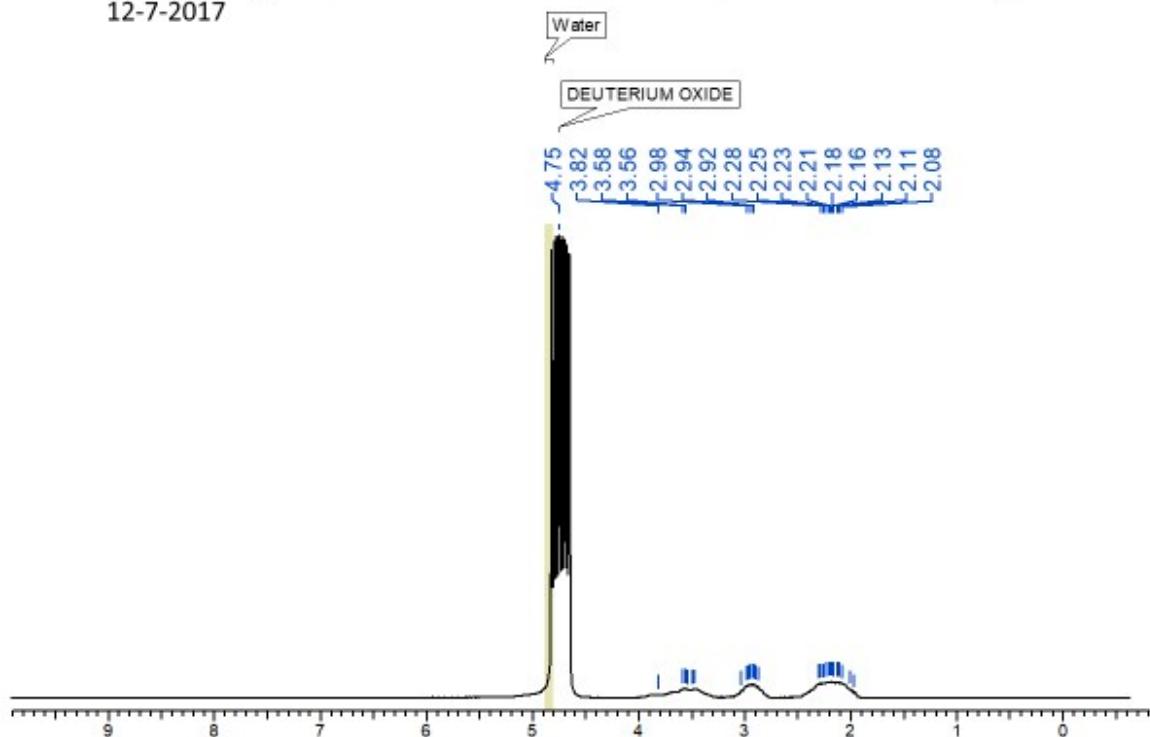


Figure S4

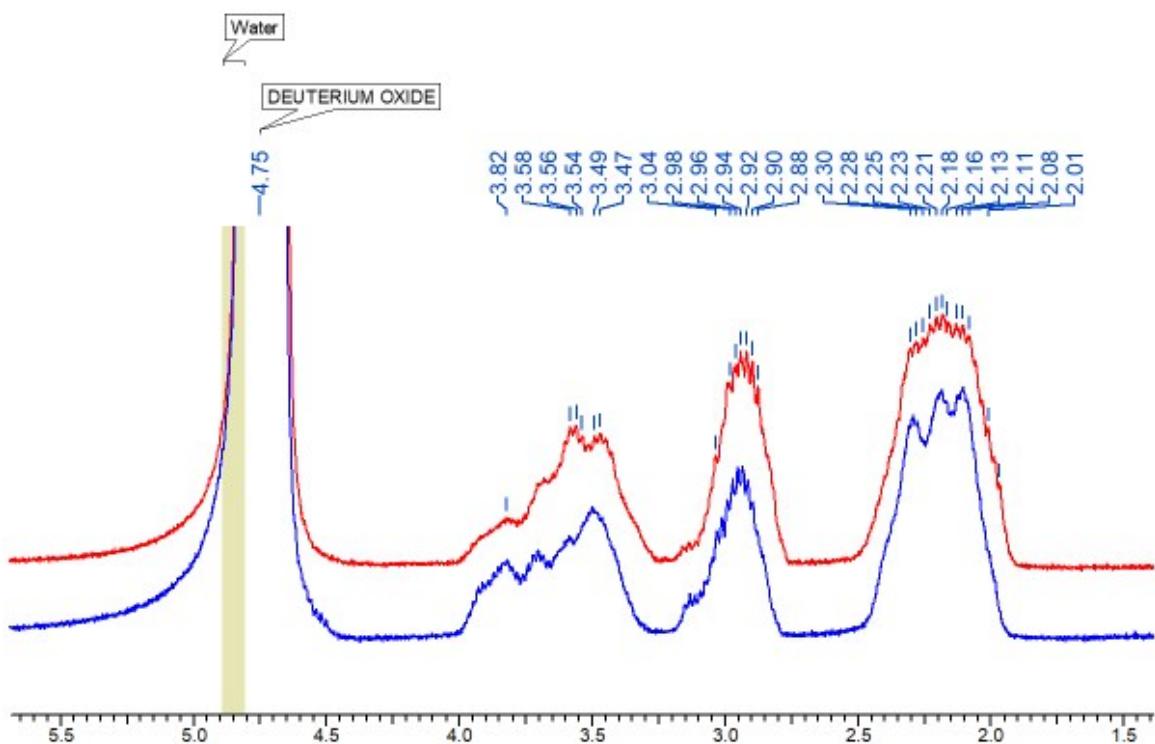


Figure S5

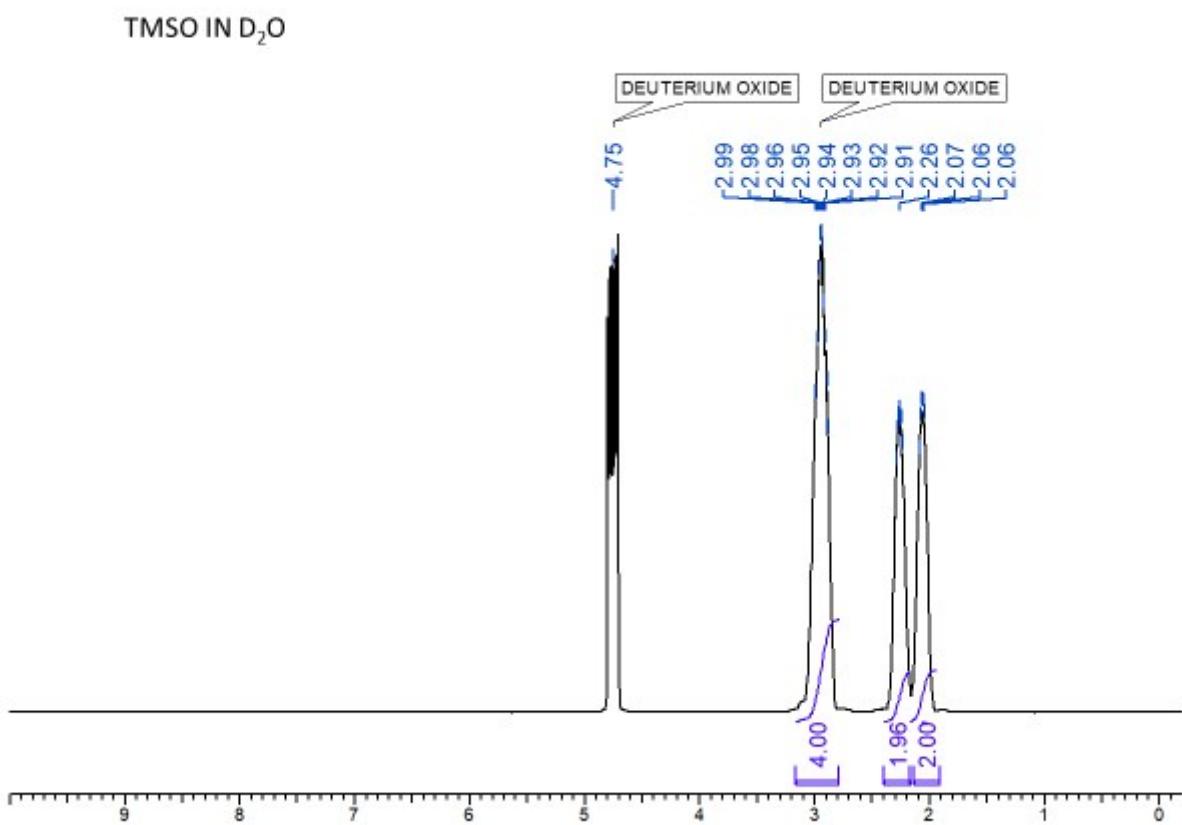


Figure S6

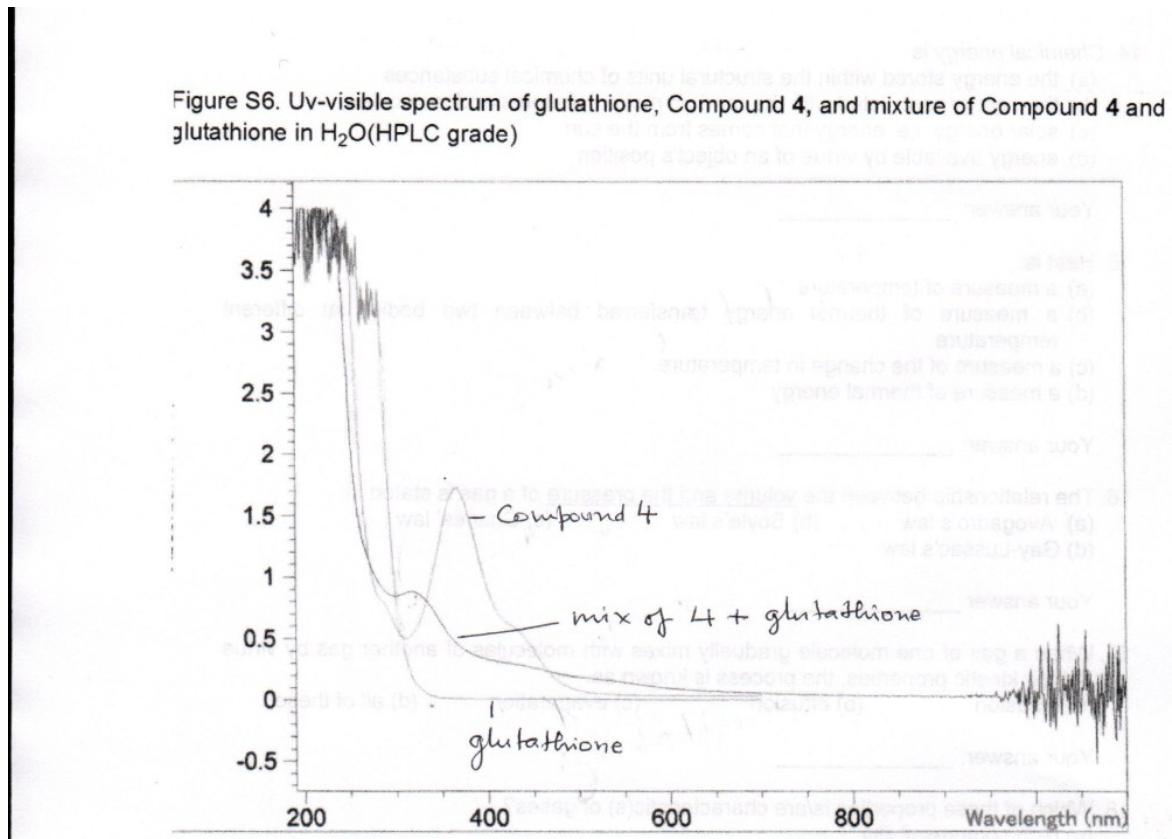


Figure 7  
*UV-vis of mer-RuCl<sub>3</sub>(TMSO) (pzH), 1*

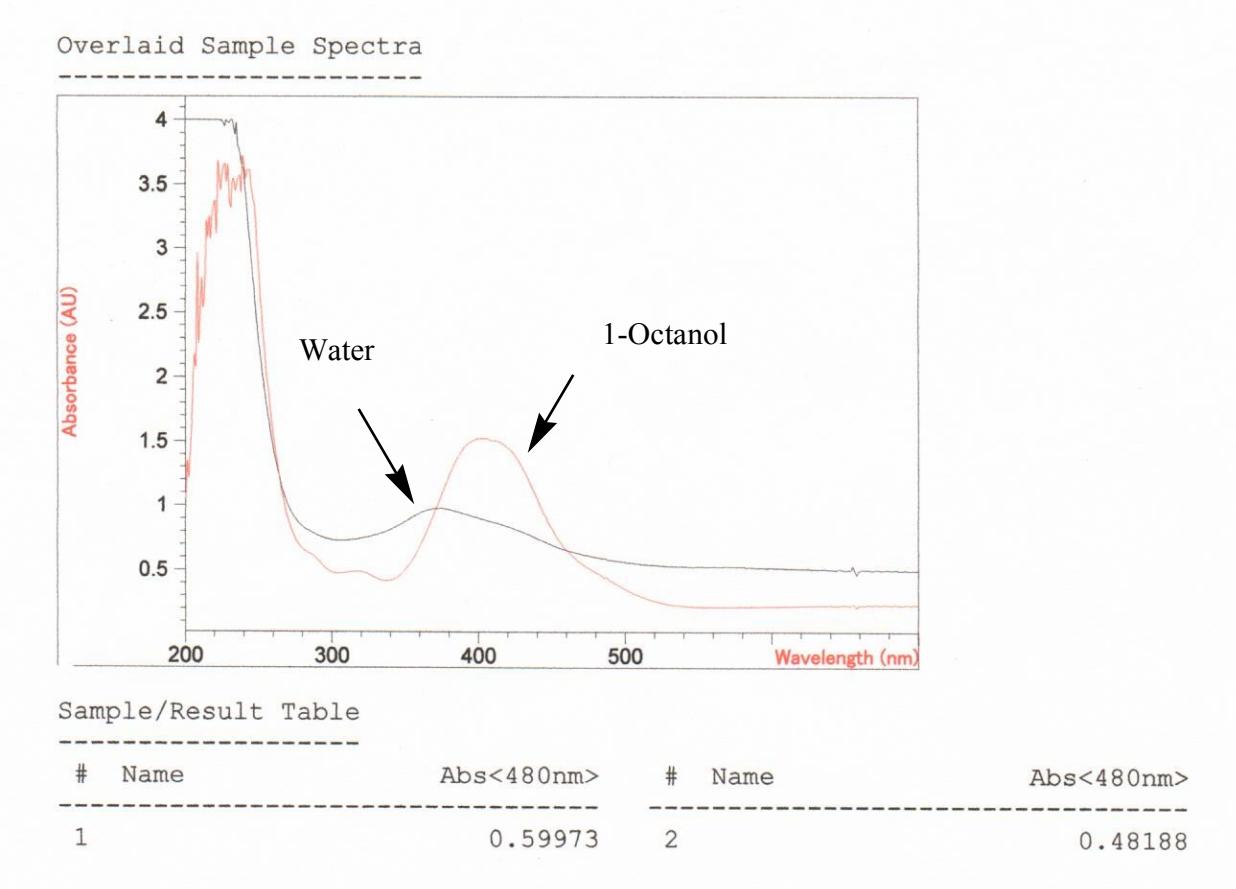


Figure 8

UV-vis of *mer*-RuCl<sub>3</sub>(TMSO)<sub>2</sub>(pzH), **2**

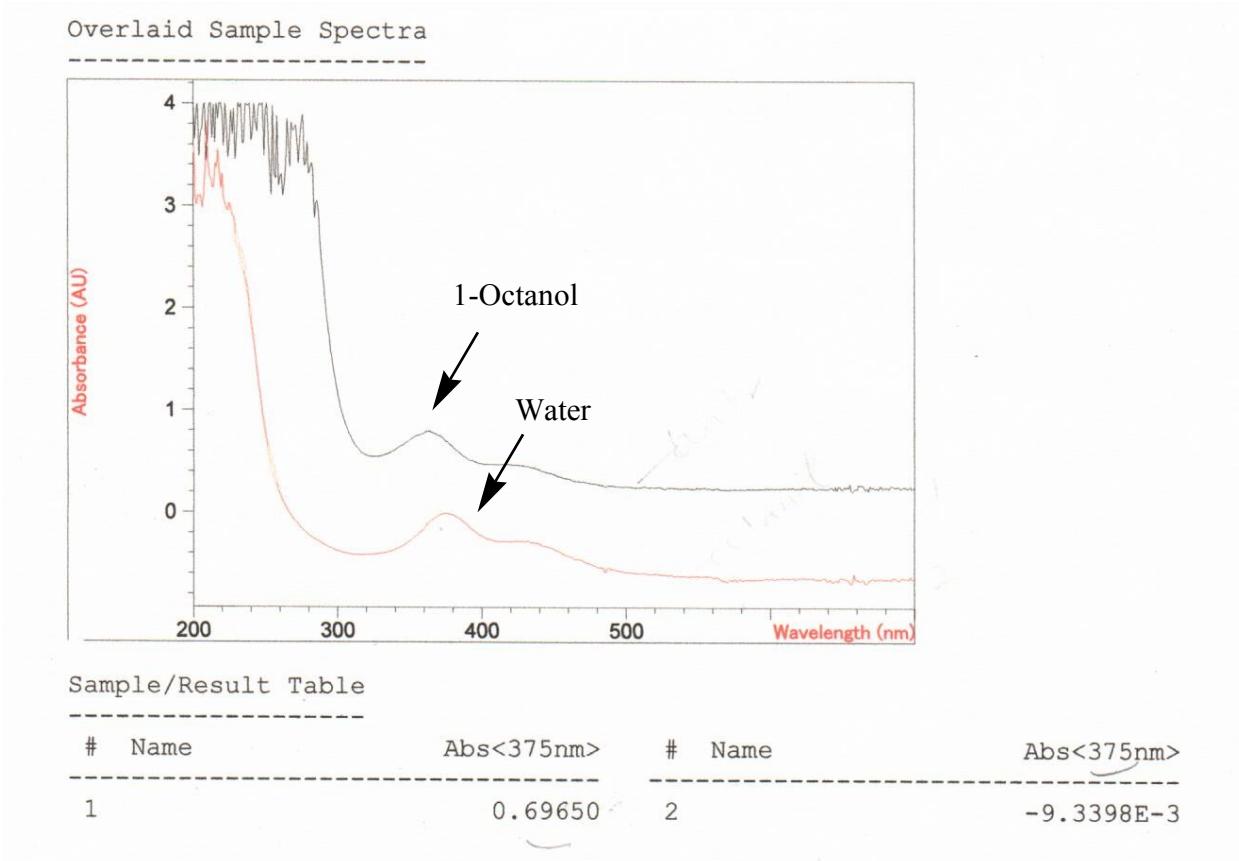


Figure 9

UV-vis *mer*-RuCl<sub>3</sub>(TMSO)(dmpzH)<sub>2</sub>, **3**

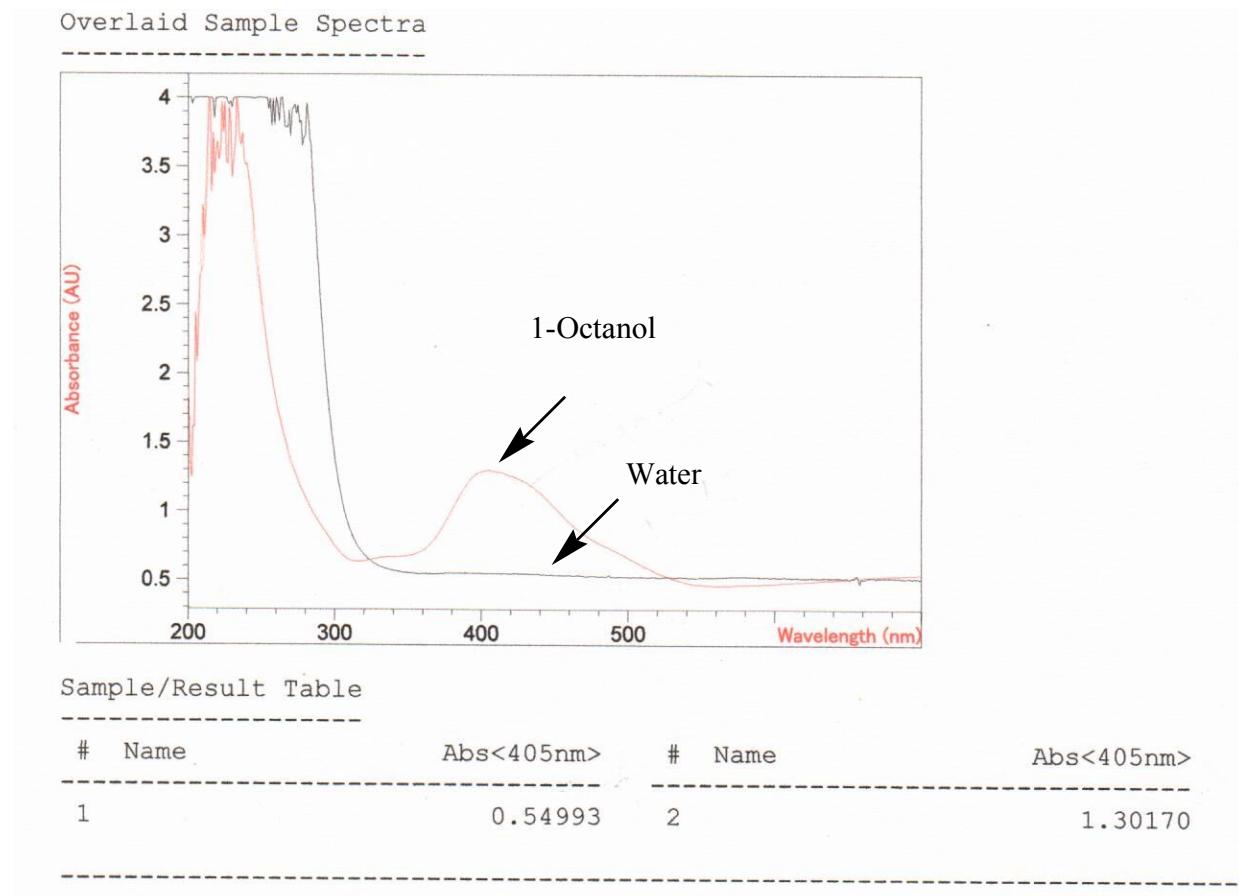


Figure 10

UV-vis *mer*-RuCl<sub>3</sub>(TMSO)<sub>2</sub>(dmpzH), **4**

