# Supplementary Information

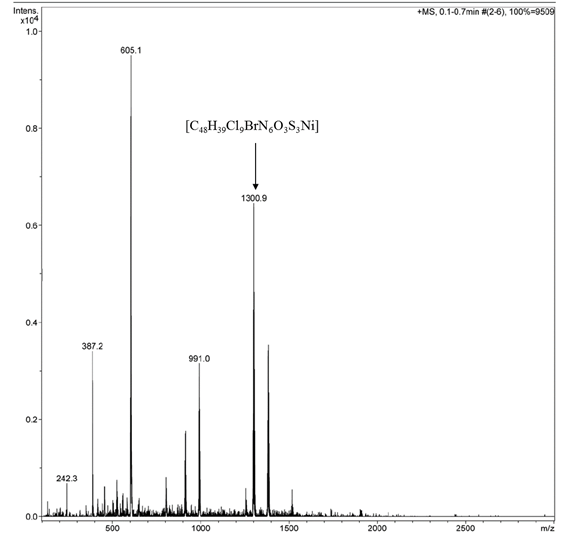
Synthesis, characterization and cytotoxic activity of tioconazole coordination compounds with nickel(II), palladium(II) and platinum(II)

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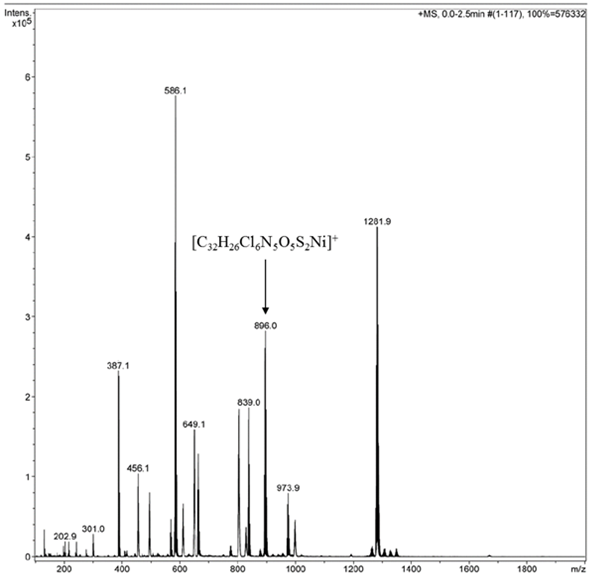
1Departamento de Química Inorgánica, Facultad de Química, Universidad Nacional Autónoma de México, Ciudad Universitaria, Coyoacán, 04510, Ciudad de México, México.

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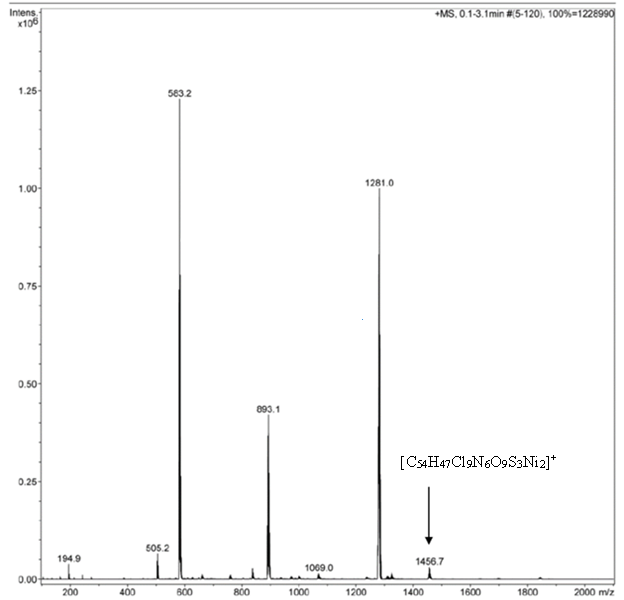
3Unidad de Investigación Preclínica (UNIPREC), Facultad de Química, Universidad Nacional Autónoma de México, Ciudad de México, México



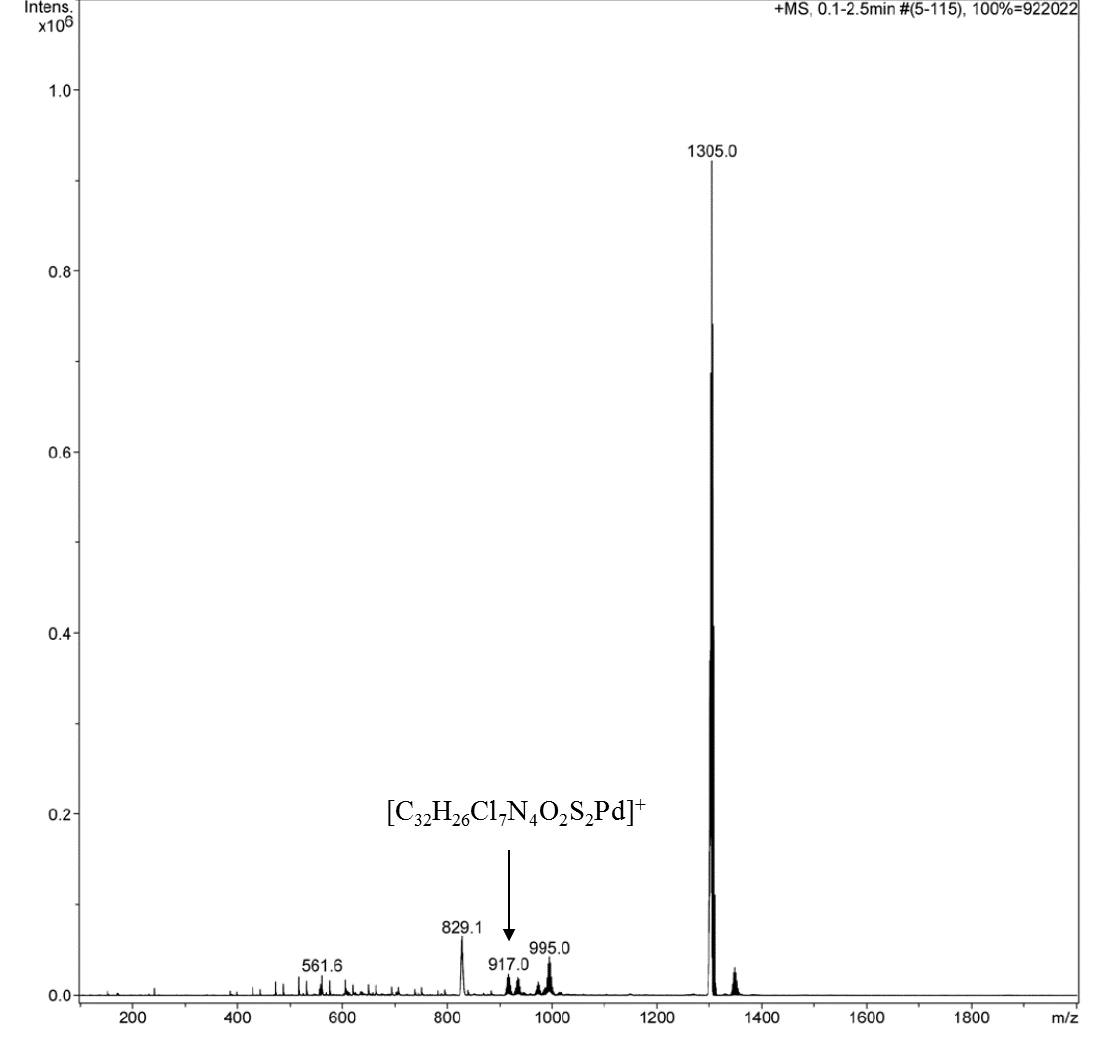
**Figure S1.** MS-ESI+ spectrum of [Ni(tcnz)3Br2(H2O)]**1**.



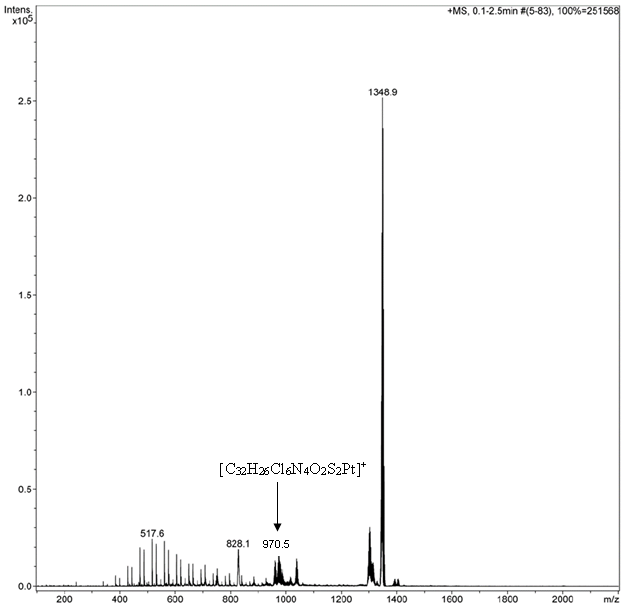
**Figure S2.** MS-ESI+ spectrum of [Ni(tcnz)2(NO3)2]∙H2O **2**.

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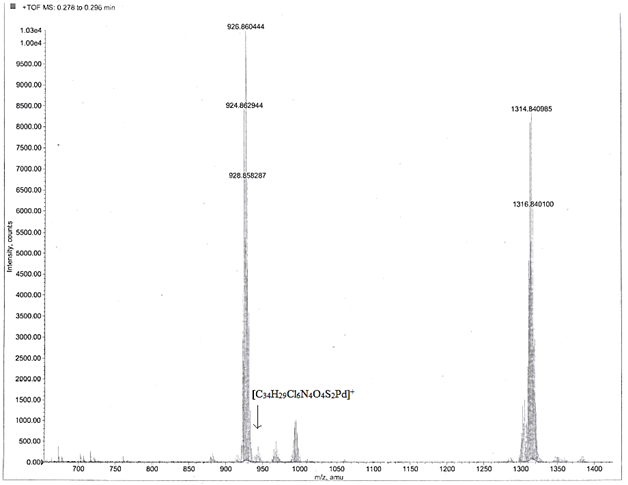
**Figure S3.** MS-ESI+ spectrum [Ni(tcnz)2(OAc)2]∙3H2O**3**.



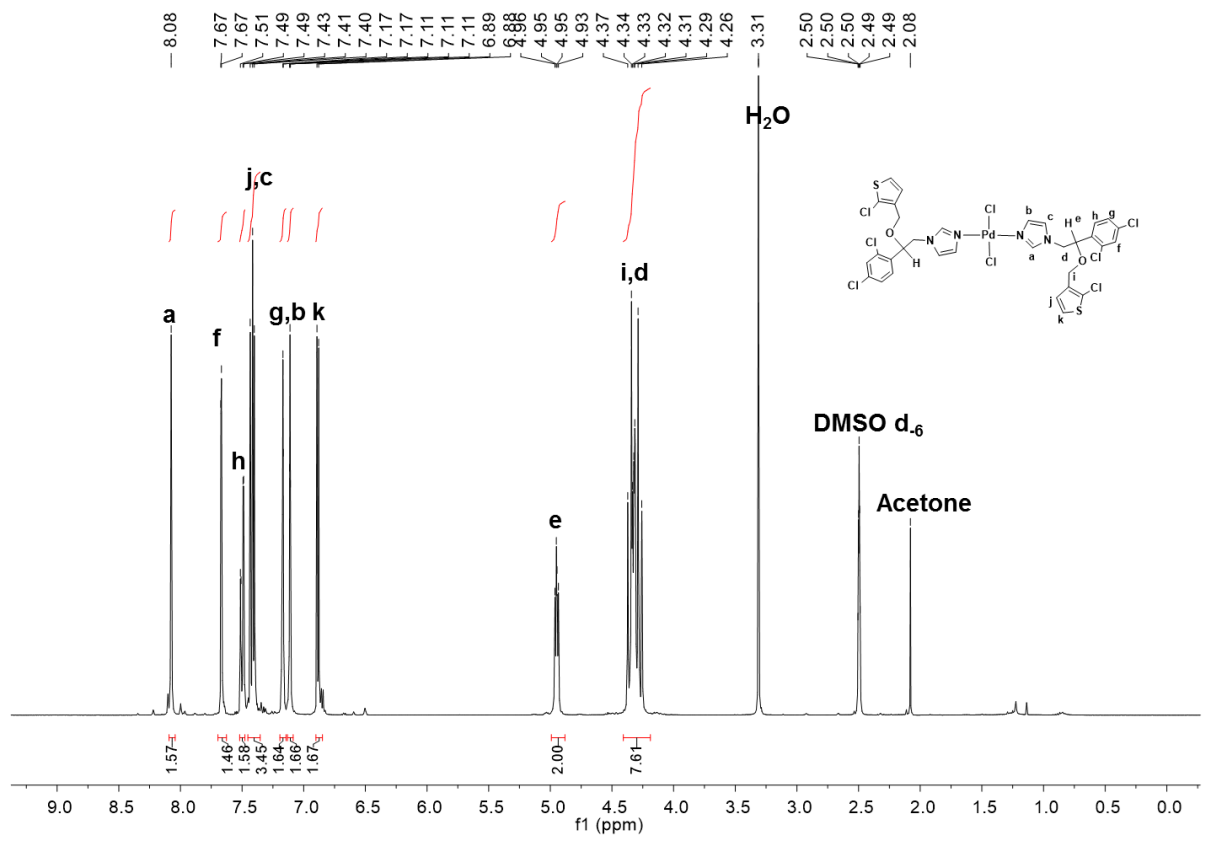
**Figure S4.** MS-ESI+ spectrum of [Pd(tcnz)2Cl2] **6**.

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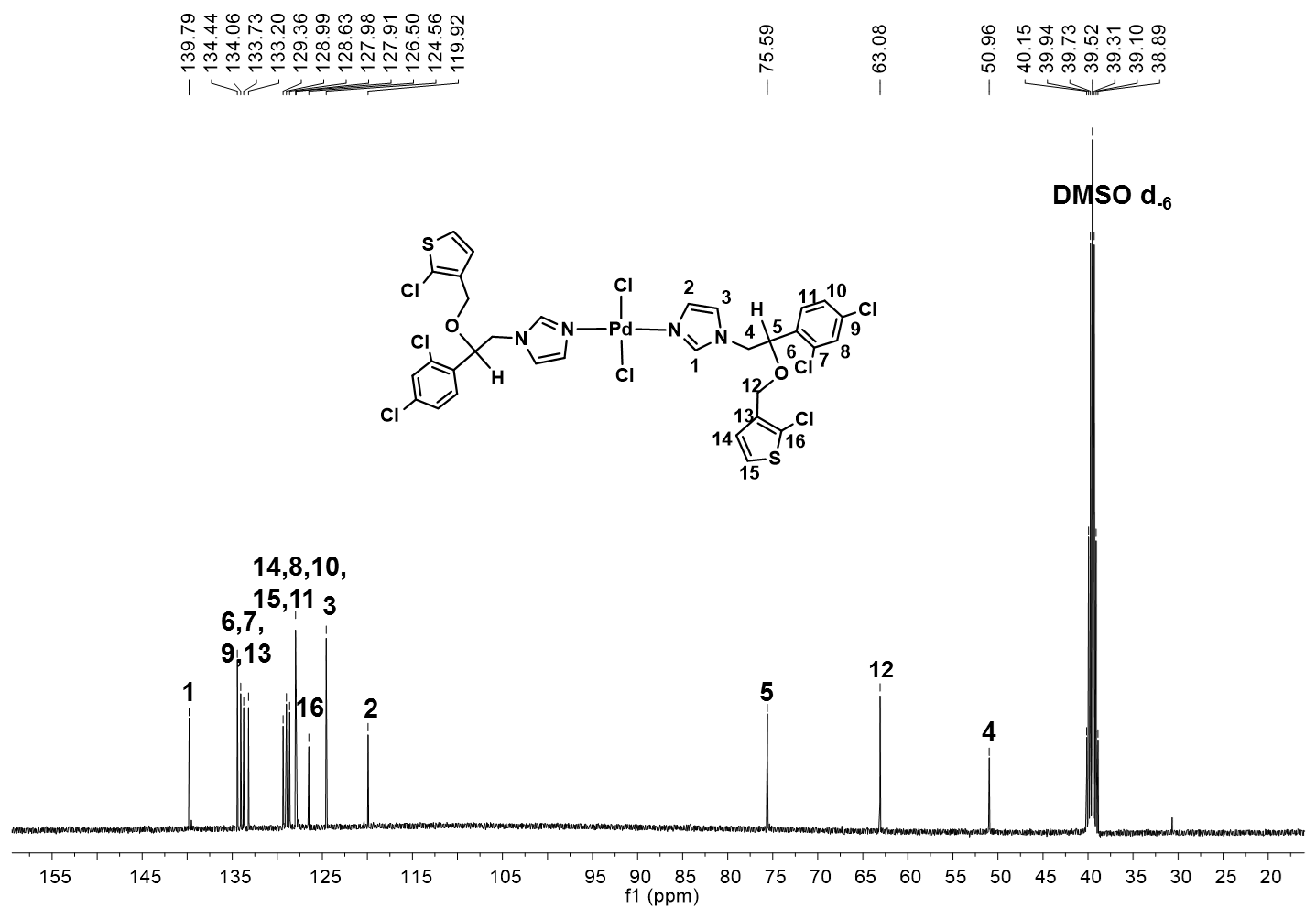
**Figure S5.** MS-ESI+ spectrum of [Pt(tcnz)2Cl2]∙2H2O **7**.



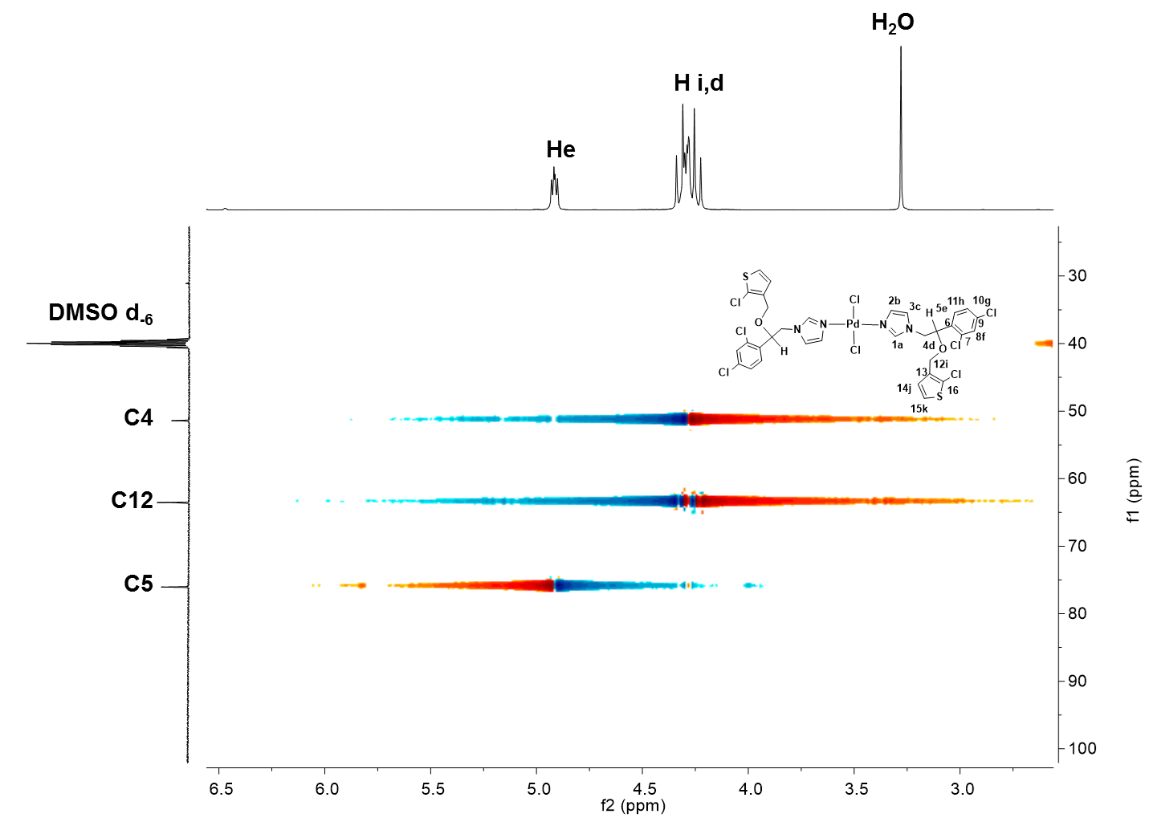
**Figure S6.** MS-TOF+ spectrum of [Pd(tcnz)2(OAc)2]**8**.

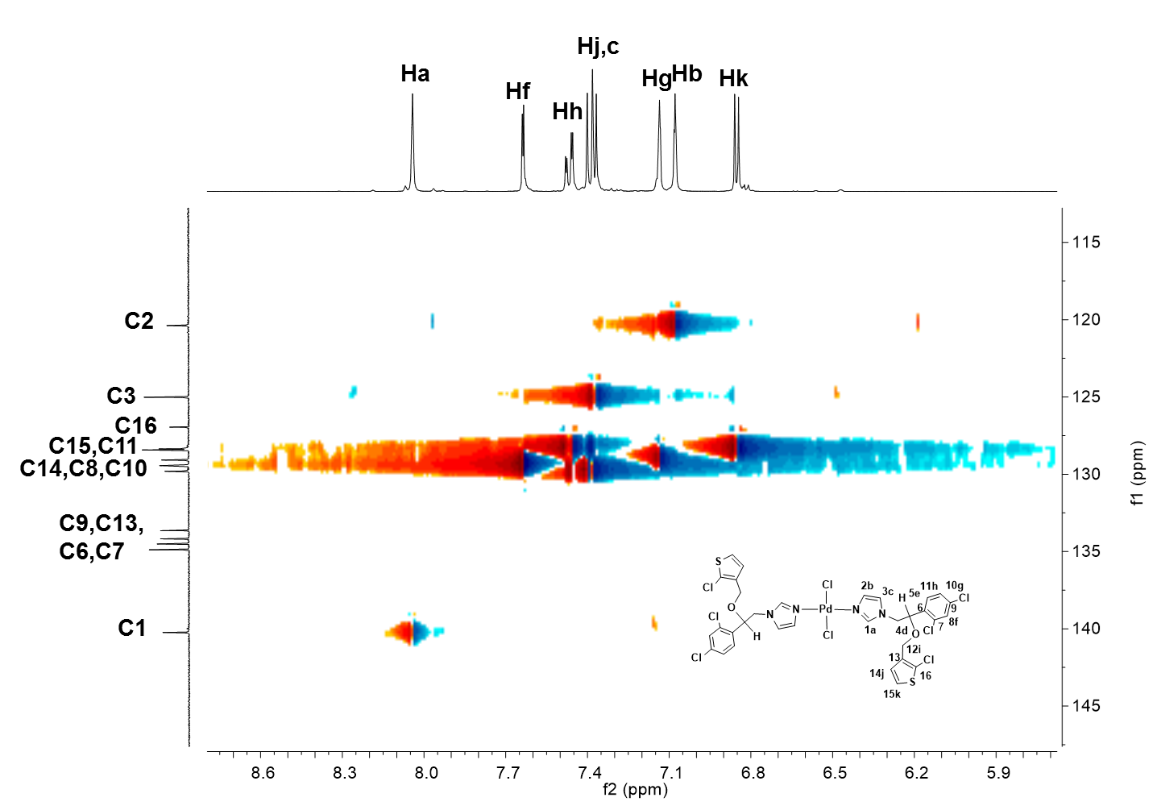


**Figure S7.** 1H NMR spectrum of [Pd(tcnz)2Cl2] **6** in DMSO–d6.

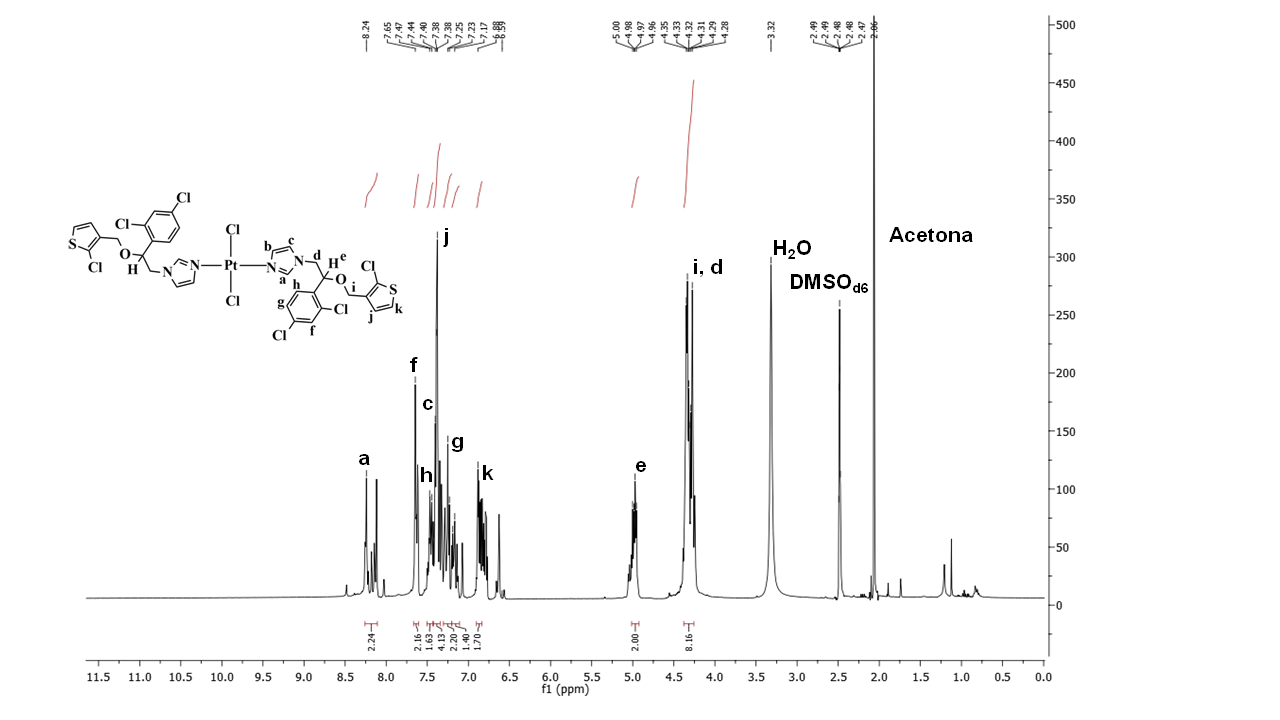


**Figure S8.** 13C {1H} NMR spectrum of [Pd(tcnz)2Cl2] **6** in DMSO–d6.

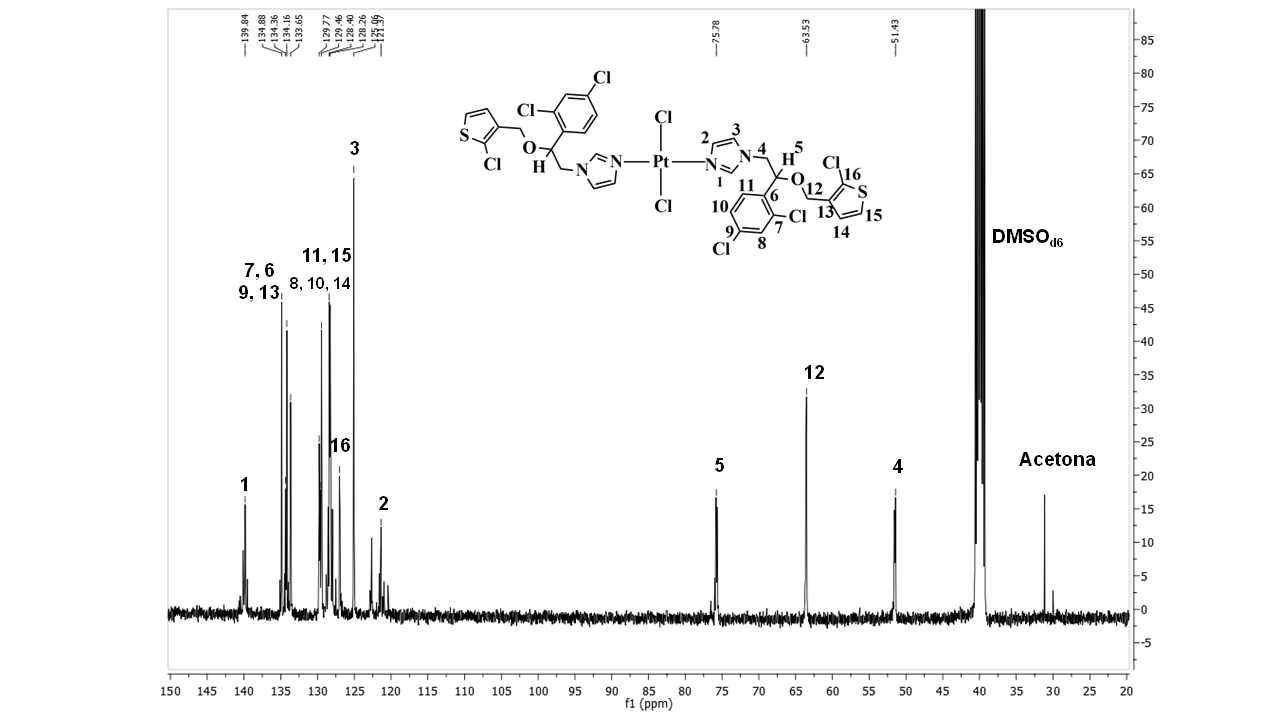




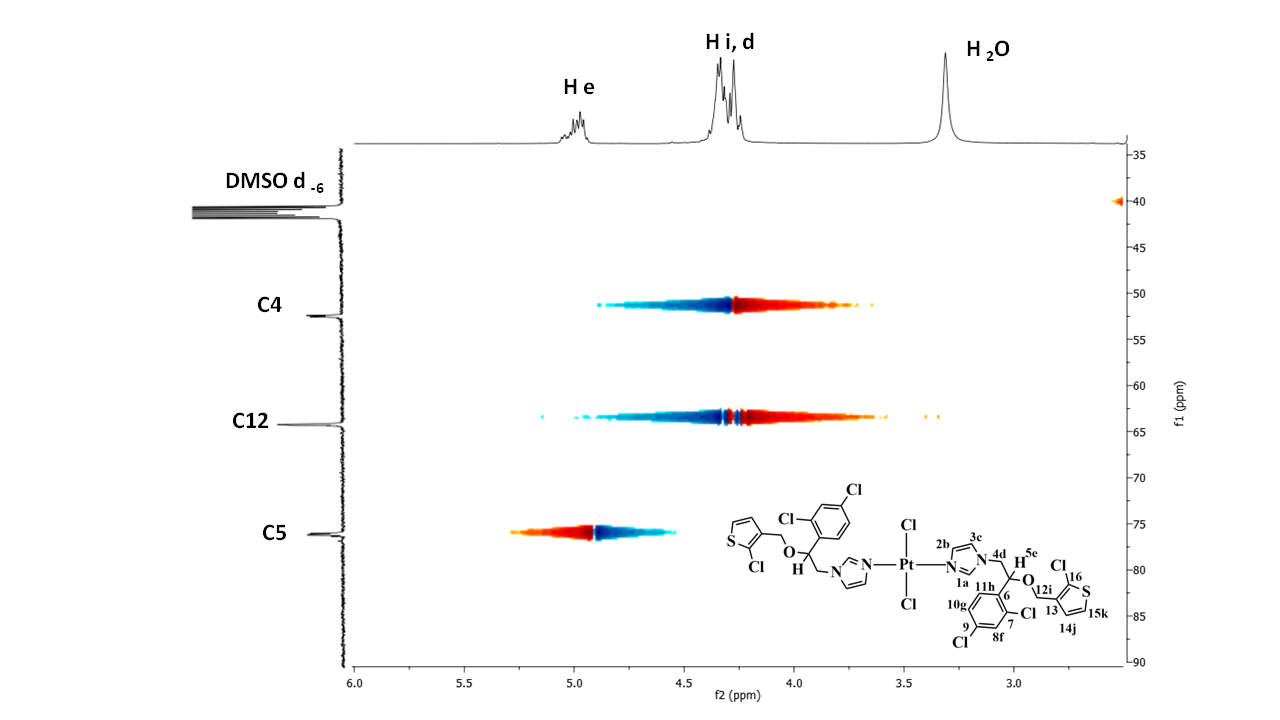
**Figure S9.** HSQC NMR spectra of [Pd(tcnz)2Cl2] **6** in DMSO–d6.

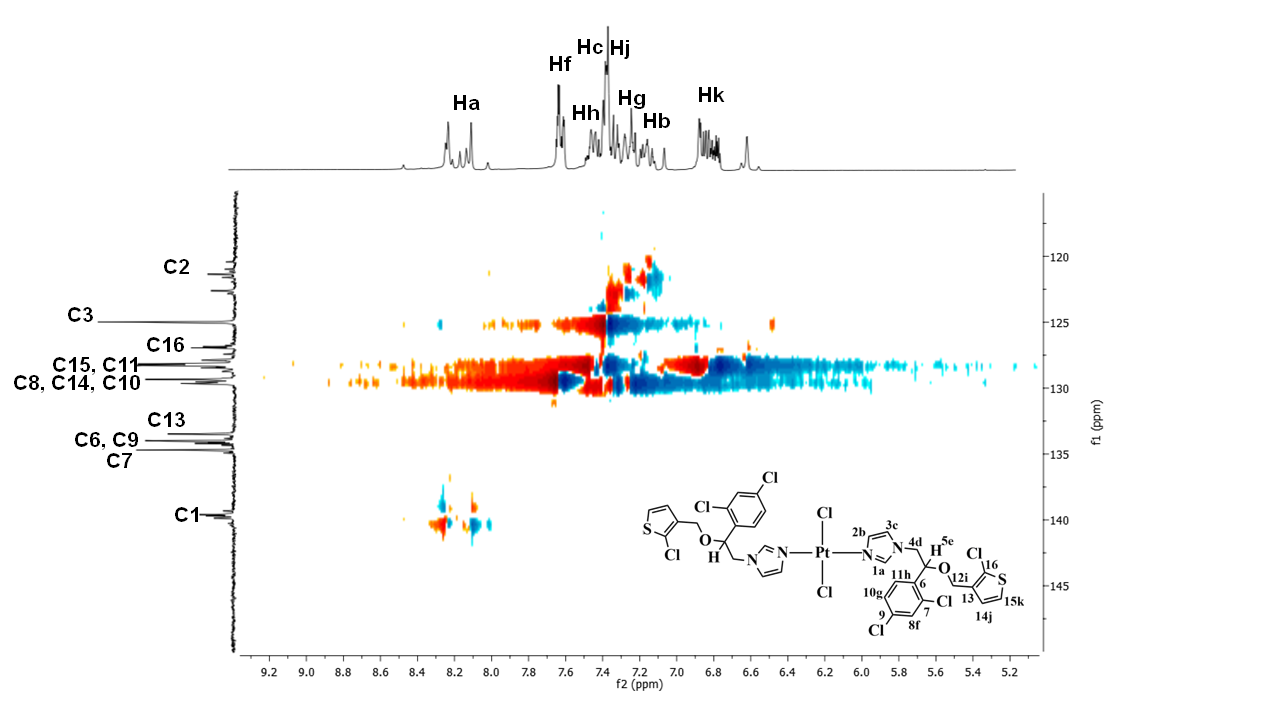
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**Figure S10.** 1H NMR spectrum of [Pt(tcnz)2Cl2] **7** in CDCl3.

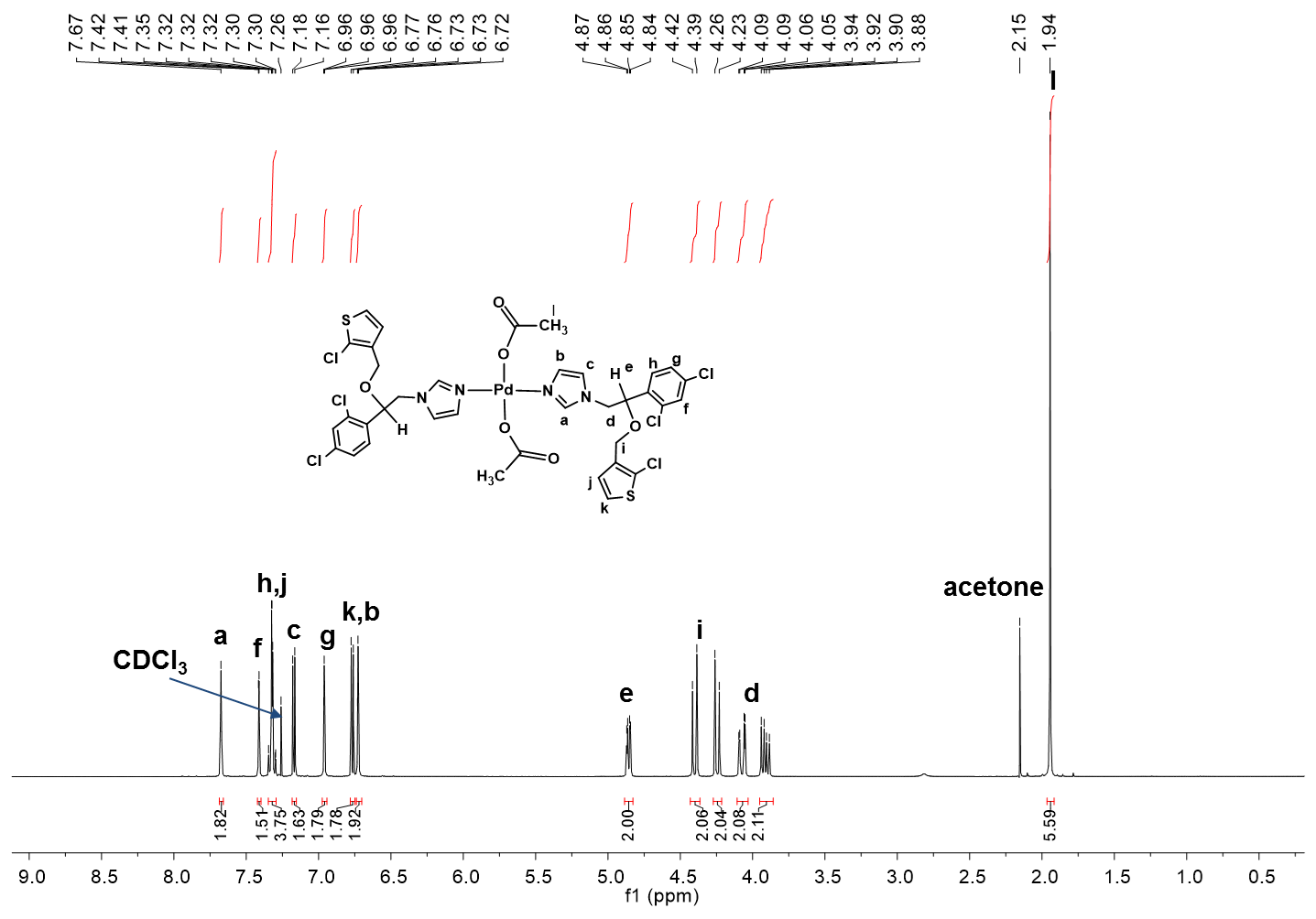


**Figure S11.** 13C {1H} NMR spectrum of [Pt(tcnz)2Cl2] **7** in CDCl3.

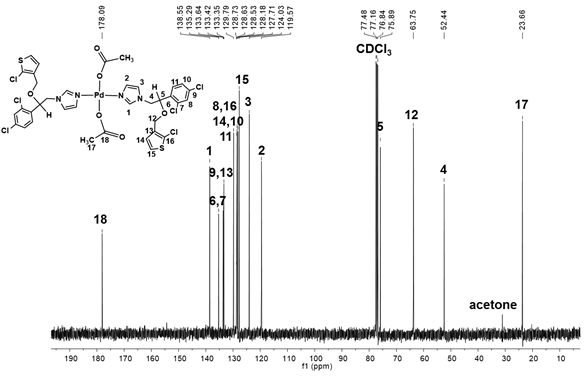




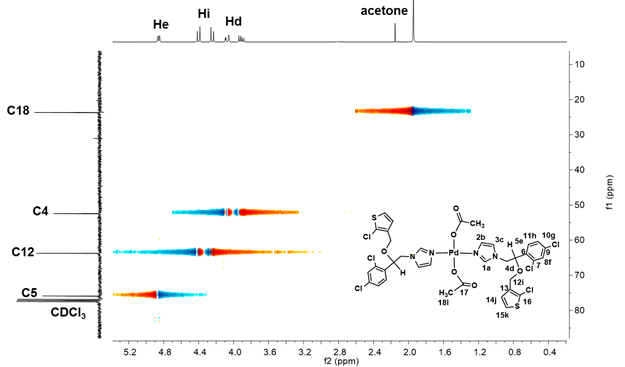
**Figure S12.** HSQC NMR spectra of [Pt(tcnz)2Cl2] **7** in CDCl3.

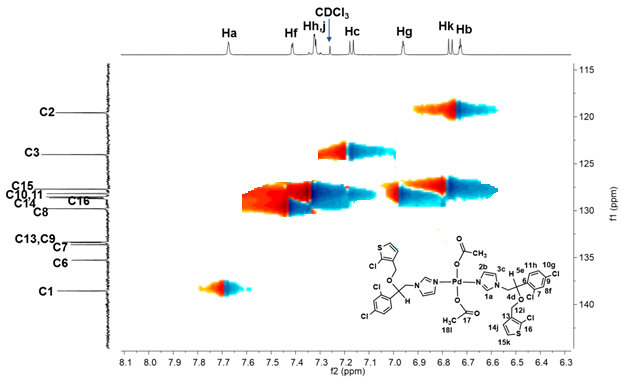


**Figure S13.** 1H NMR spectrum of [Pd(tcnz)2(OAc)2] **8** in CDCl3.

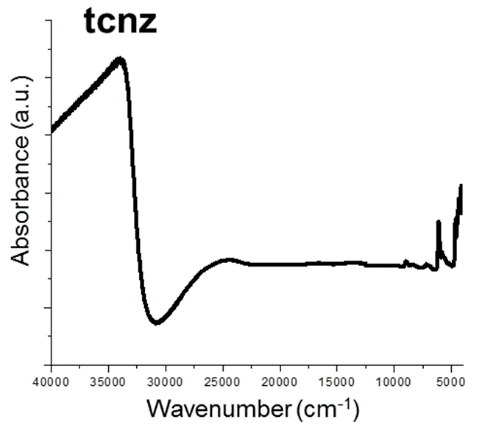
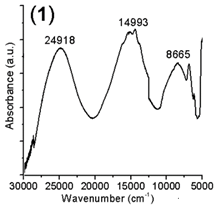
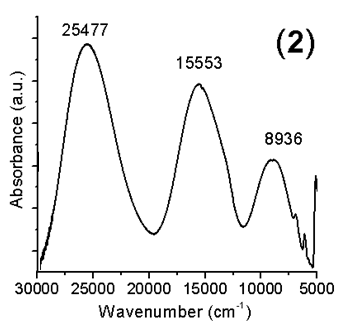


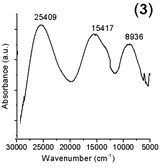
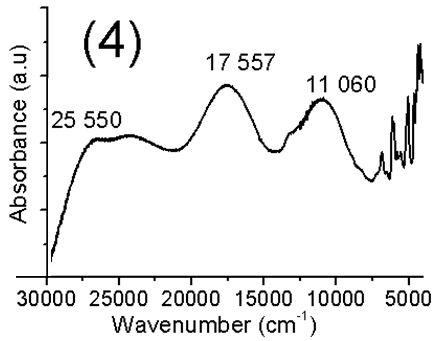
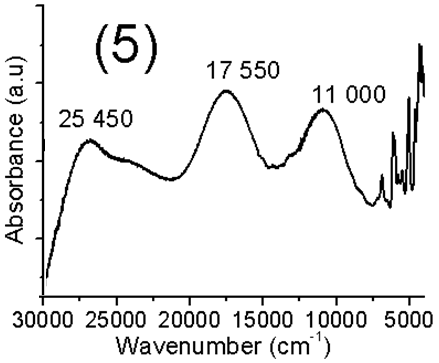
**Figure S14.** 13C {1H} NMR spectrum of [Pd(tcnz)2(OAc)2] **8** in CDCl3.

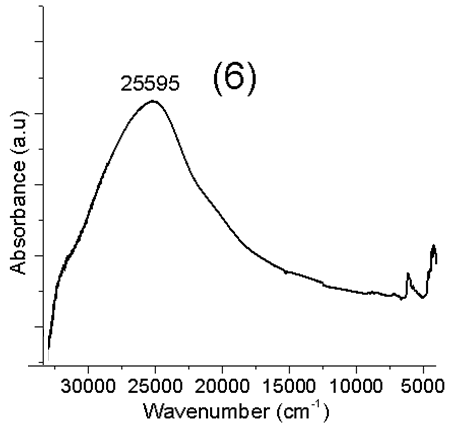
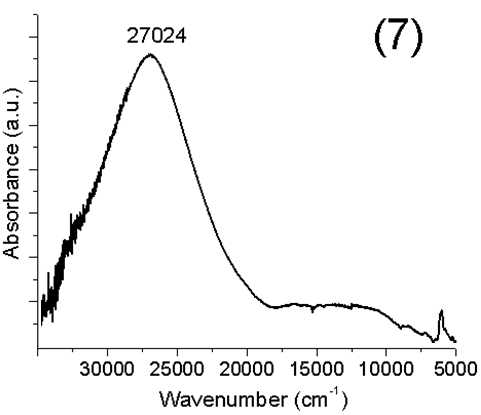
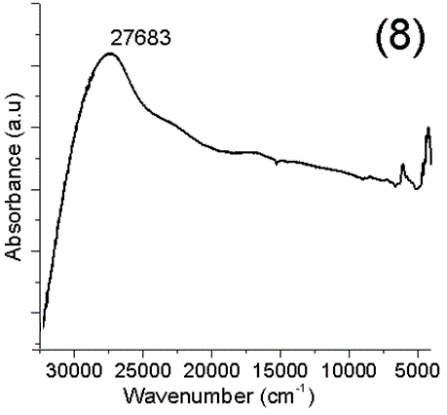




**Figure S15.** HSQC NMR spectra of [Pd(tcnz)2(OAc)2] **8** in CDCl3.

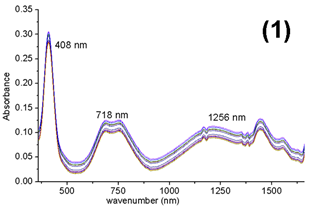
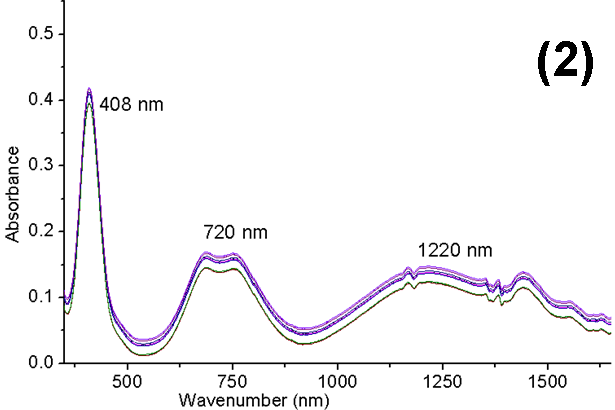
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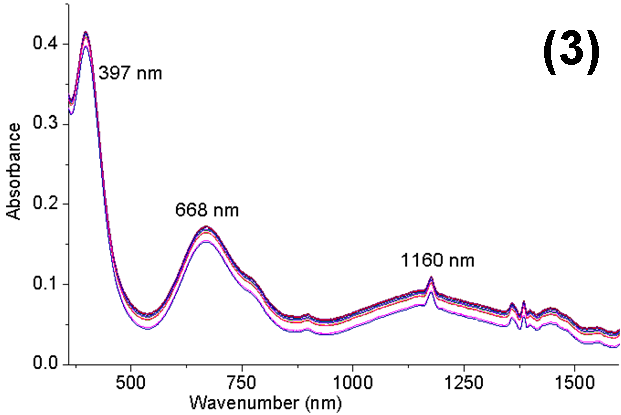
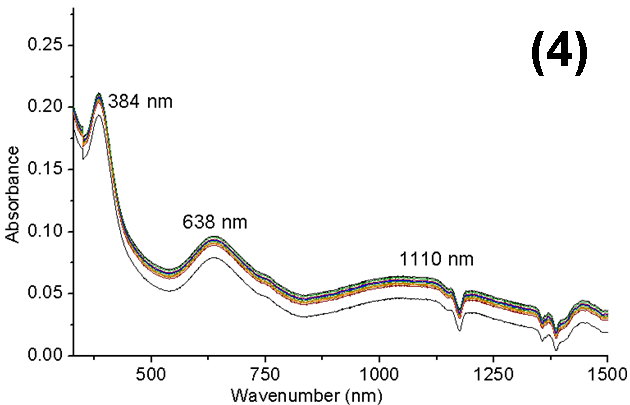
  

**Figure S16.** Solid state UV-Vis-NIR ν(cm-1) of tioconazolecompounds of

NiII, PdII and PtII.

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**Figure S17.** UV-Vis-NIR ν(cm-1) of NiII tioconazolecompounds in DMSO solution, 0-24 h.