Supplementary material to:

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Synthesis, Characterization and Antibacterial Properties of *N*,*N*′-Bis(4-dimethylaminobenzylidene)benzene-1,3-diamine as New Schiff Base Ligand and its Binuclear Zn(II), Cd(II) Complexes

S. Afr. J. Chem., 2018, **71**, 155–159.

Supplementary Information, *S. Afr. J. Chem*.

Synthesis, Characterization and Antibacterial Properties of *N*,*N*'-Bis(4-dimethylaminobenzylidene)benzene-1,3-diamine as New Schiff Base Ligand and it's Binuclear Zn(II), Cd(II) Complexes

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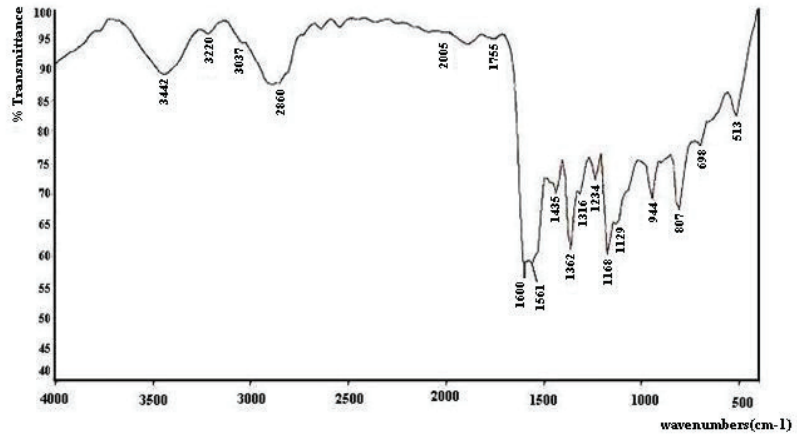
Figure 1. FT-IR spectra of ligand (a), Zn(II) complex (b) and Cd(II) complex (c). **2**

Figure 2. UV-Vis spectra of ligand (a), Zn(II) complex (b), and Cd(II) complex (c). **3**

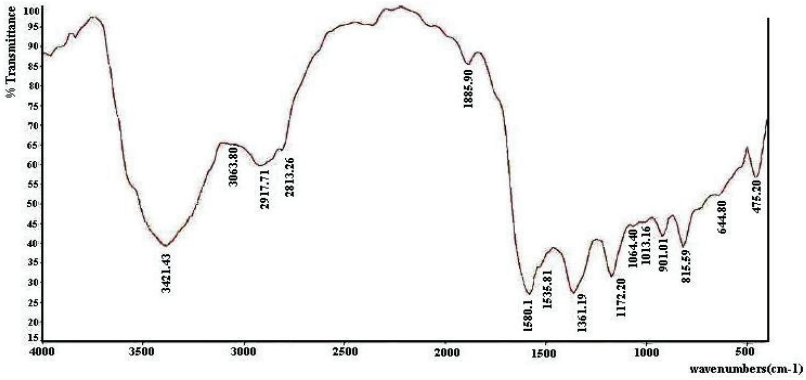
Figure 3. ^{1}H NMR spectra of ligand (a), and Zn(II) complex (b), and Cd(II) complex (c). **4**

Figure 4. Mass spectra of ligand (a), and Zn(II) complex (b), and Cd(II) complex (c) **5**

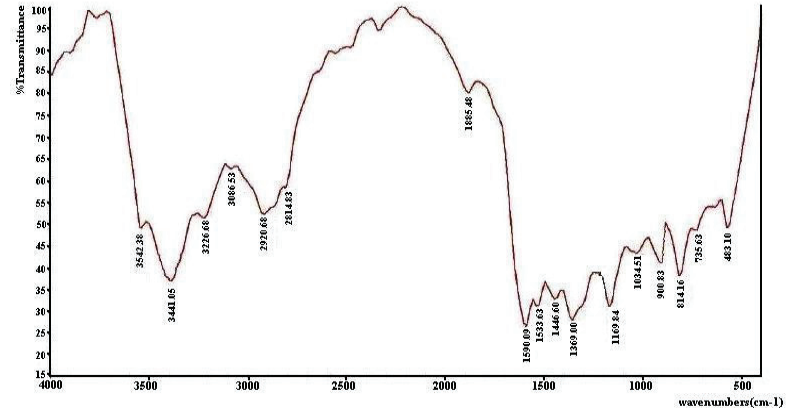
Figure 5. ^{13}C NMR spectrum of ligand. **6**



(a)



(b)



(c)

Figure 1. FT-IR spectra of ligand (**a**), Zn(II) complex (**b**) and Cd(II) complex (**c**).

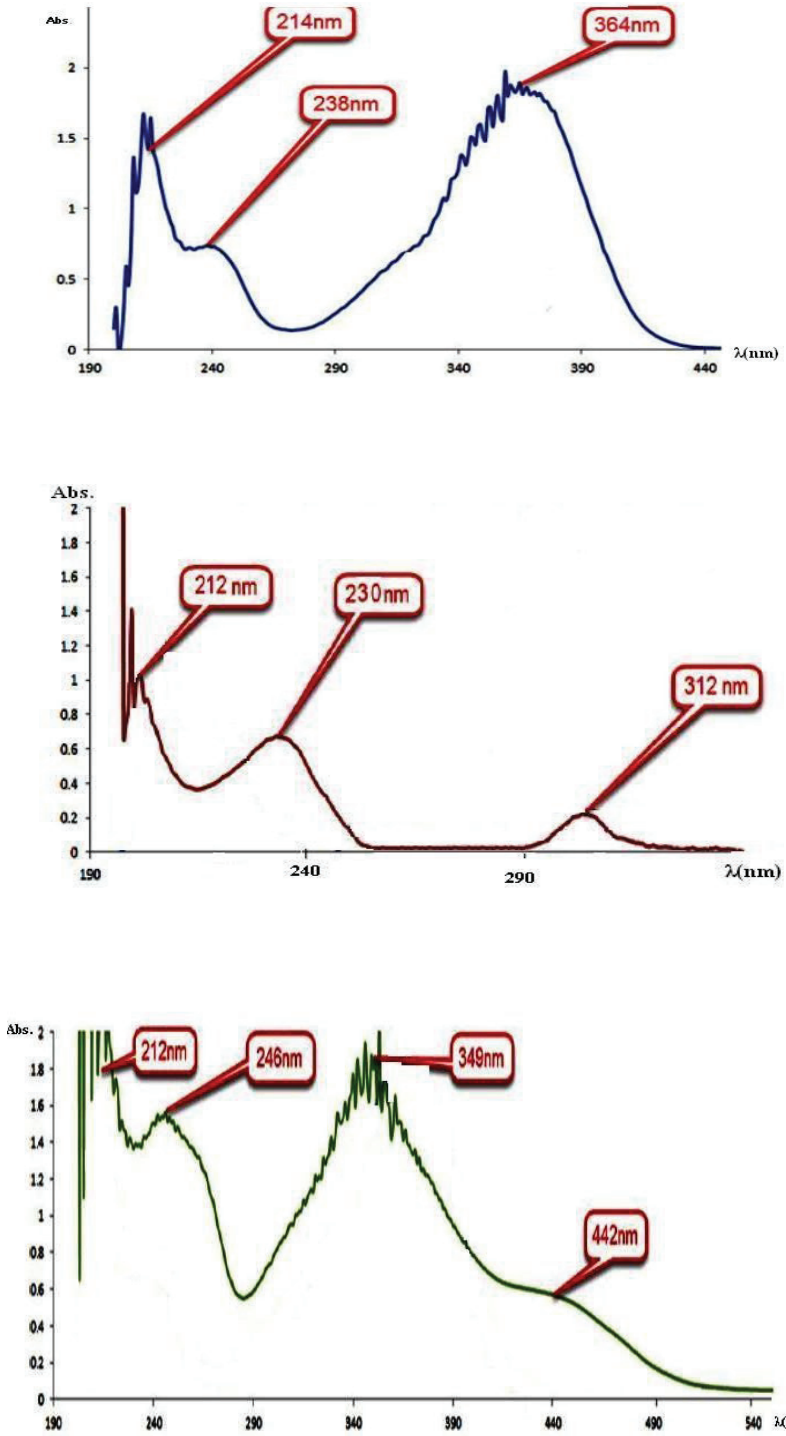


Figure 2. UV-Vis spectra of ligand (**a**), Zn(II) complex (**b**), Cd(II) complex (**c**).

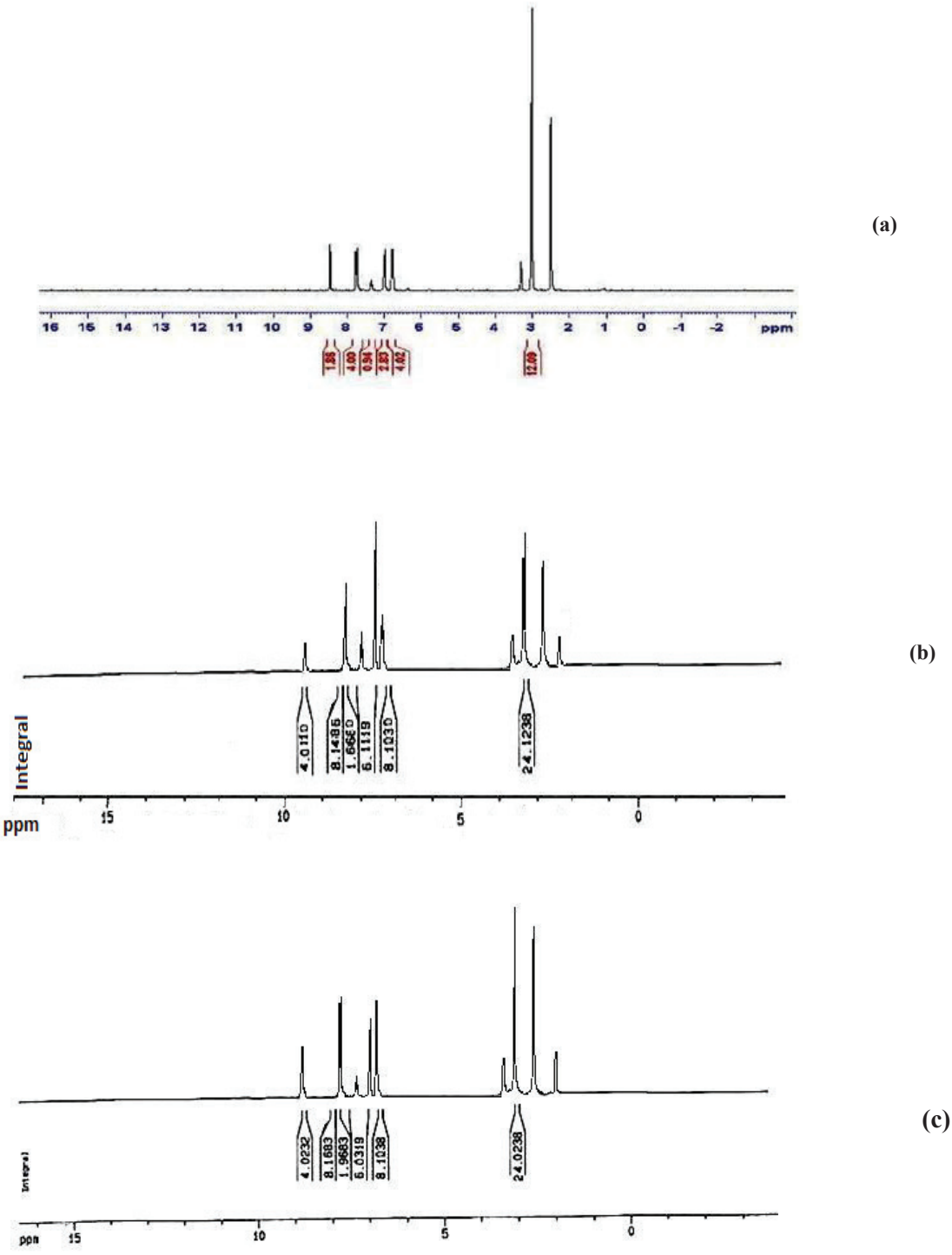


Figure 3. ^{1}H NMR spectra of ligand (**a**), Zn(II) complex (**b**), and Cd(II) complex (**c**).

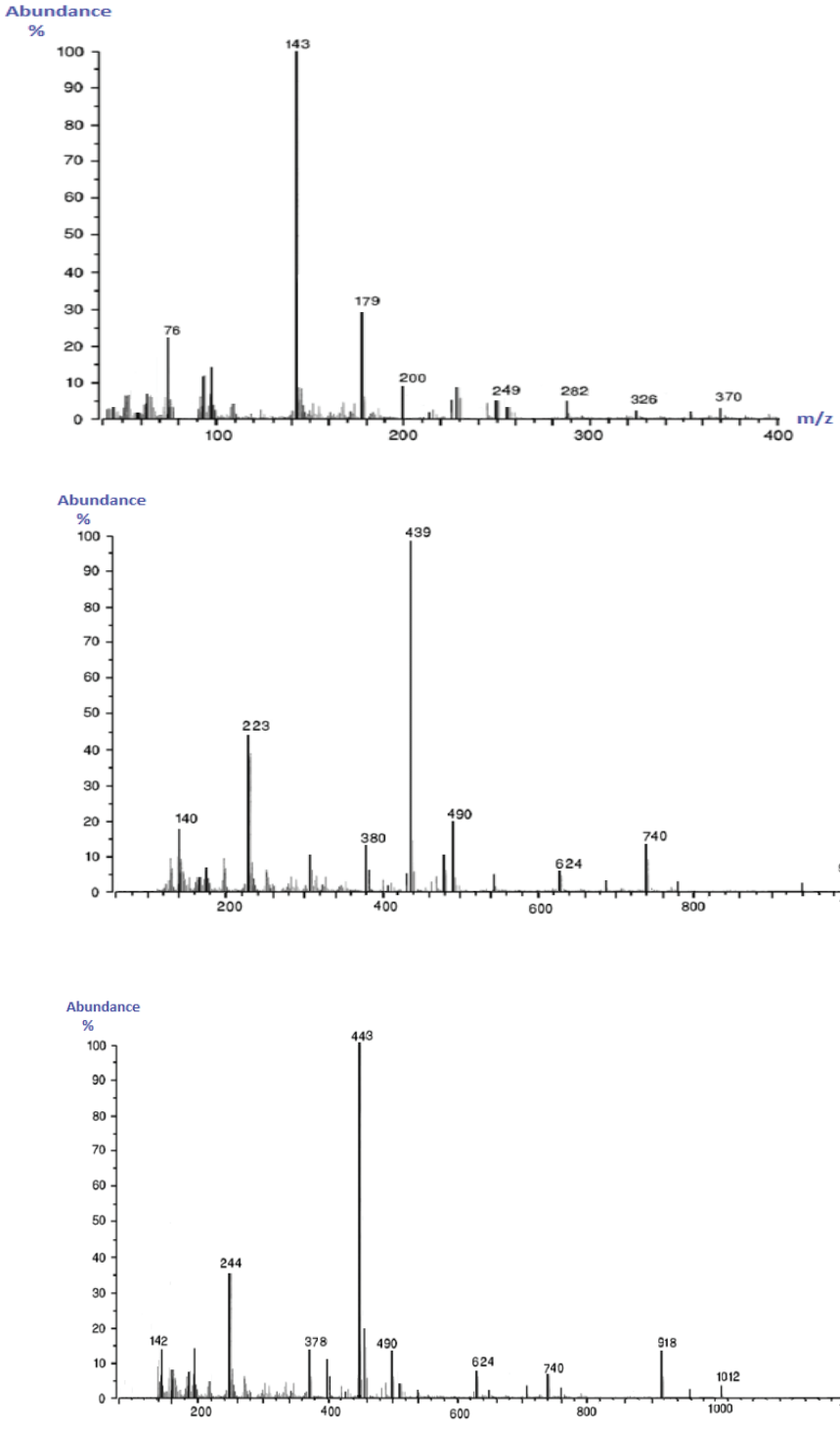


Figure 4. Mass spectra of ligand (**a**), Zn(II) complex (**b**), and Cd(II) complex (**c**).

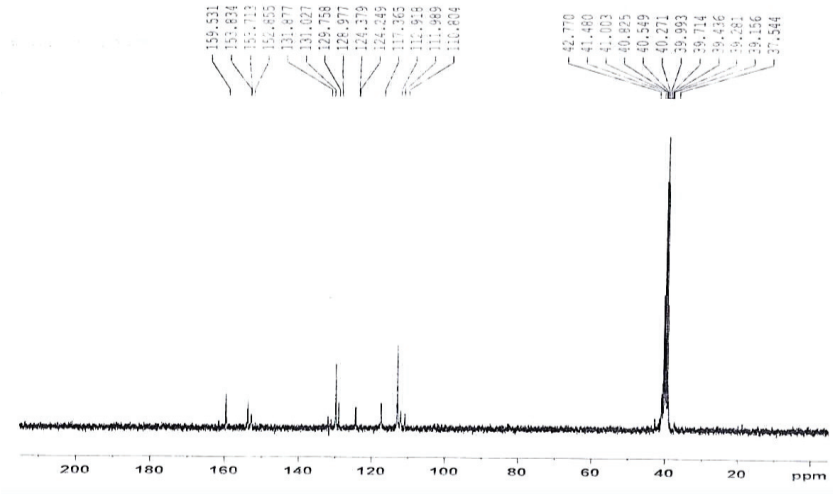


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