

Supporting file

Complexes of 2-amino-3-methylpyridine and 2-amino-4-methylbenzothiazole with Ag(I) and Cu(II), structure and biological applications

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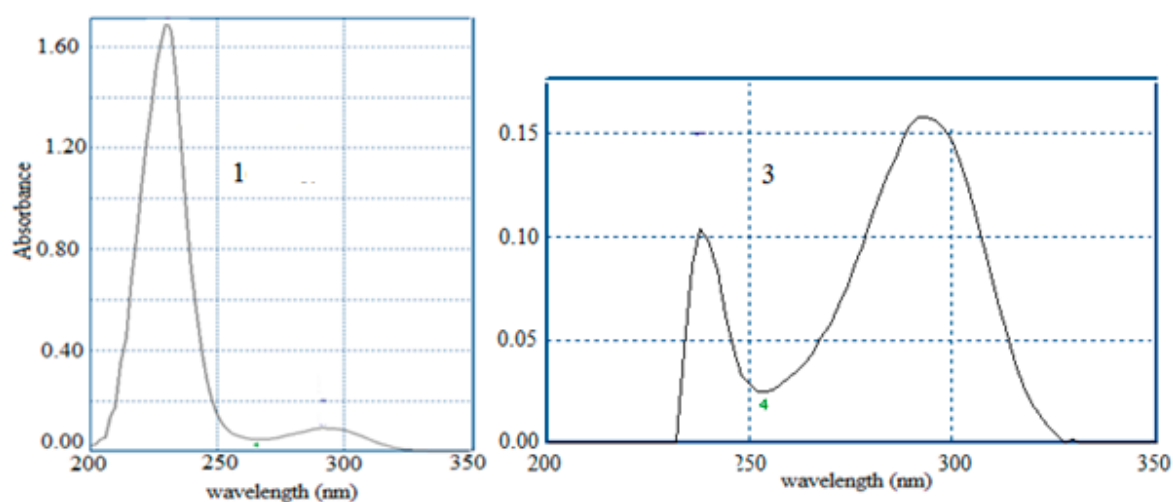


Figure S1 UV-visible spectra of copper complexes 1 and 3.

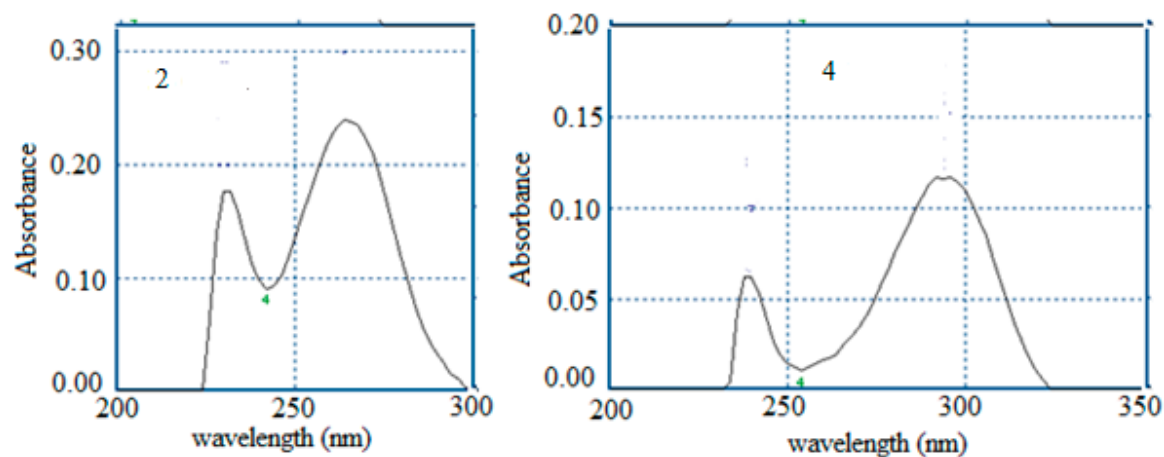


Figure S2 UV-visible spectra of silver complexes 2 and 4.

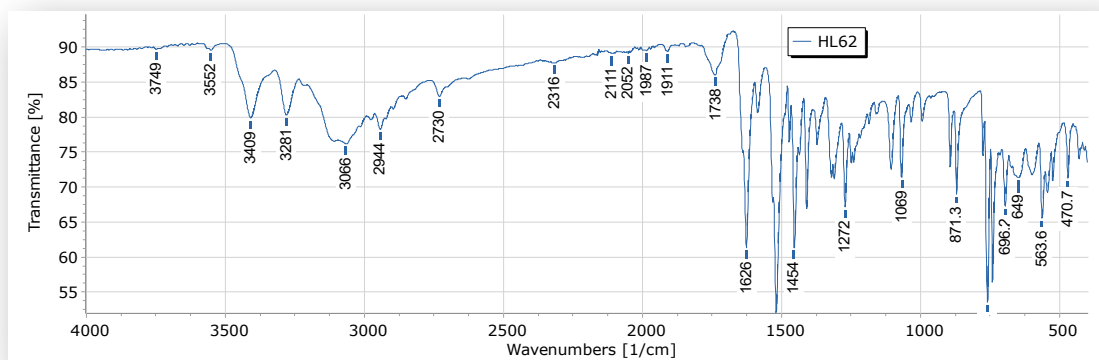


Figure S3 FT-IR spectrum of compound 1

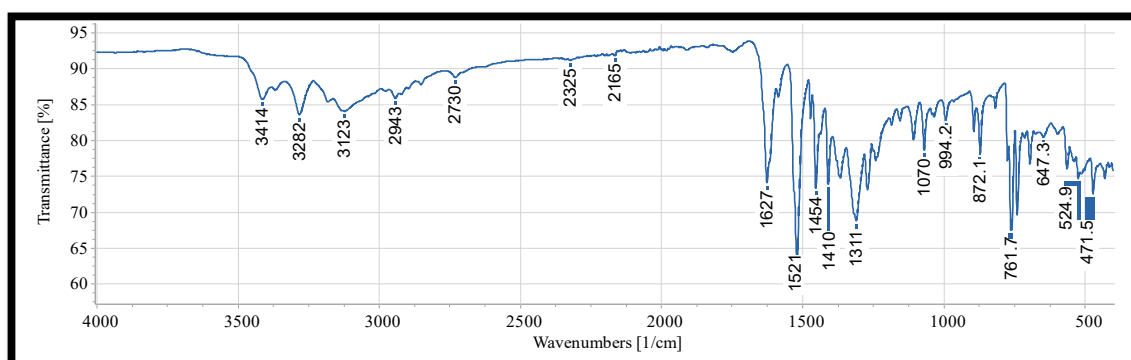


Figure S4 FT-IR spectrum of compound 2

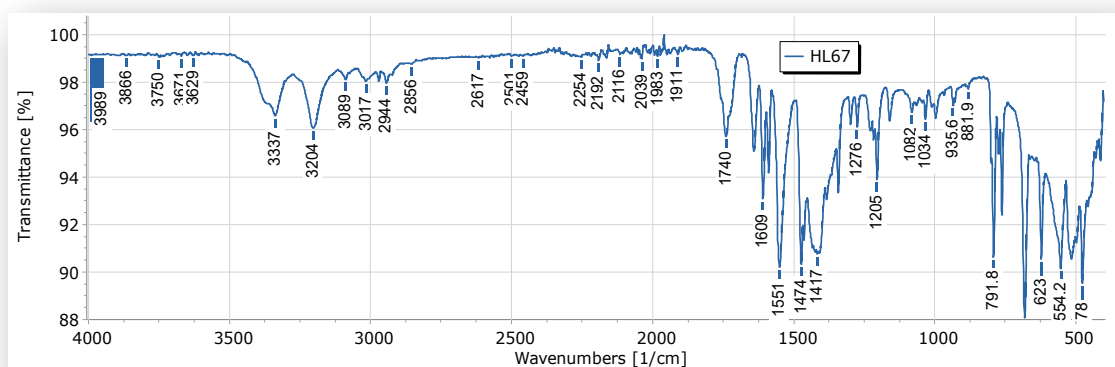


Figure S5 FT-IR spectrum of compound 3

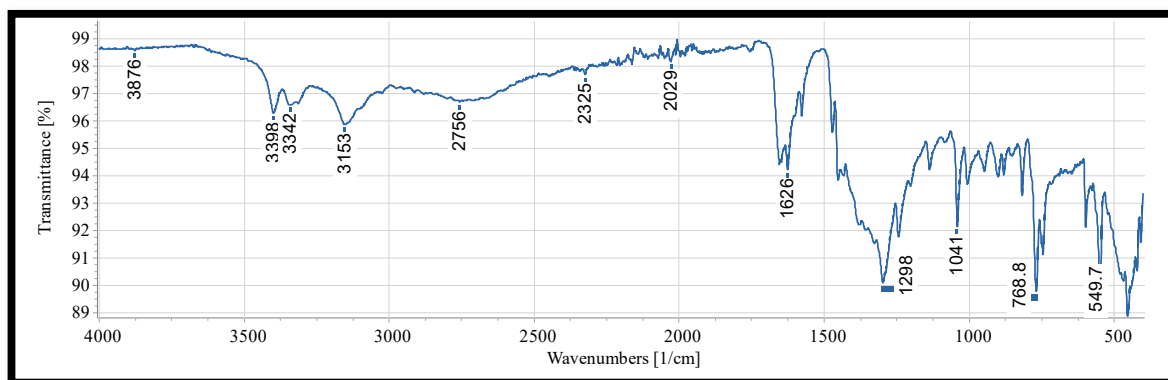


Figure S6 FT-IR spectrum of compound 4

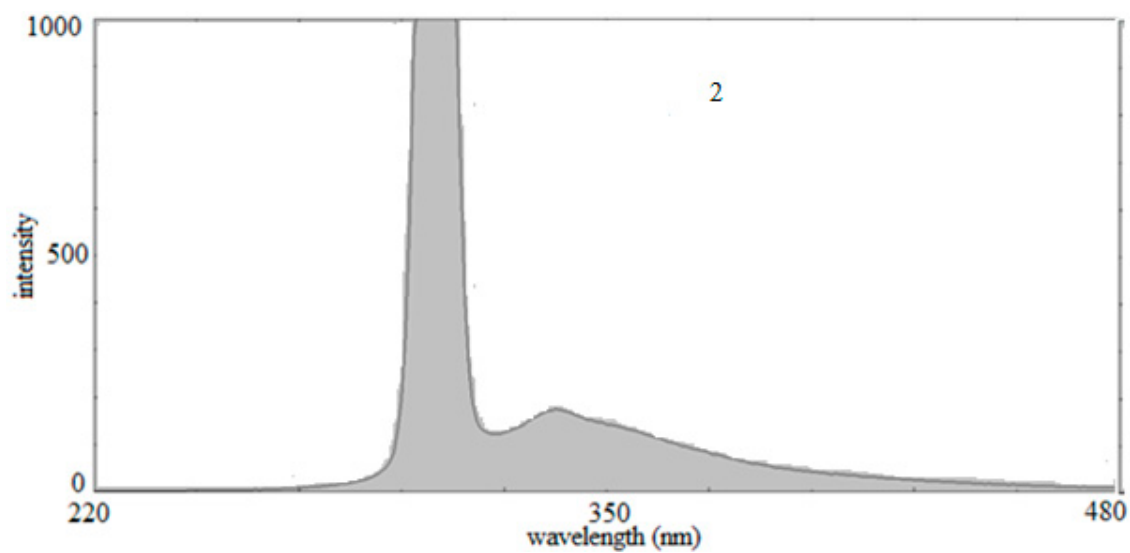


Figure S7 Luminescence spectrum of compound 2

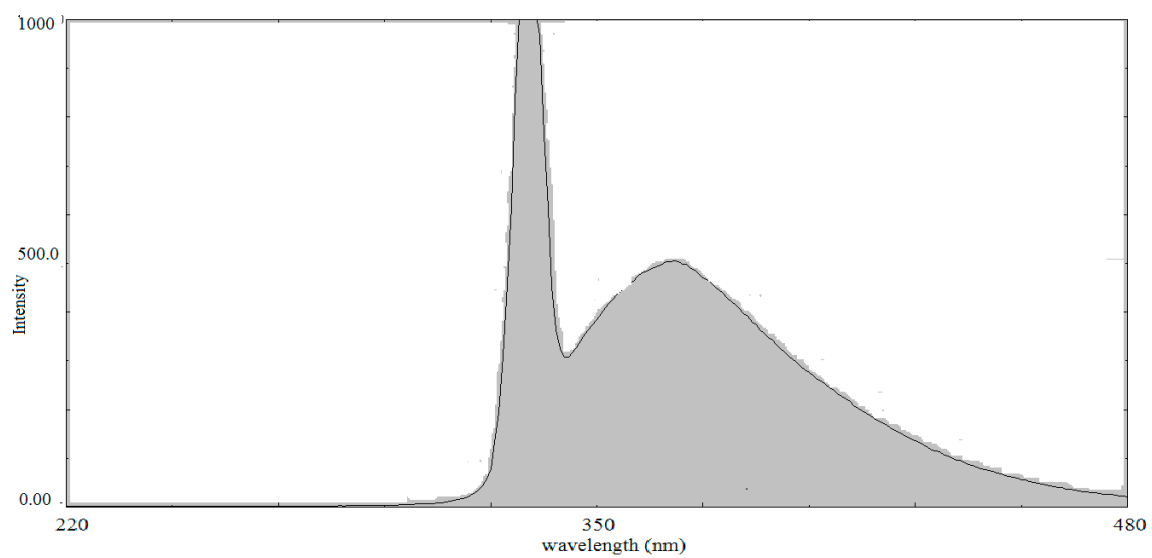


Figure S8 Luminescence spectrum of compound **3**

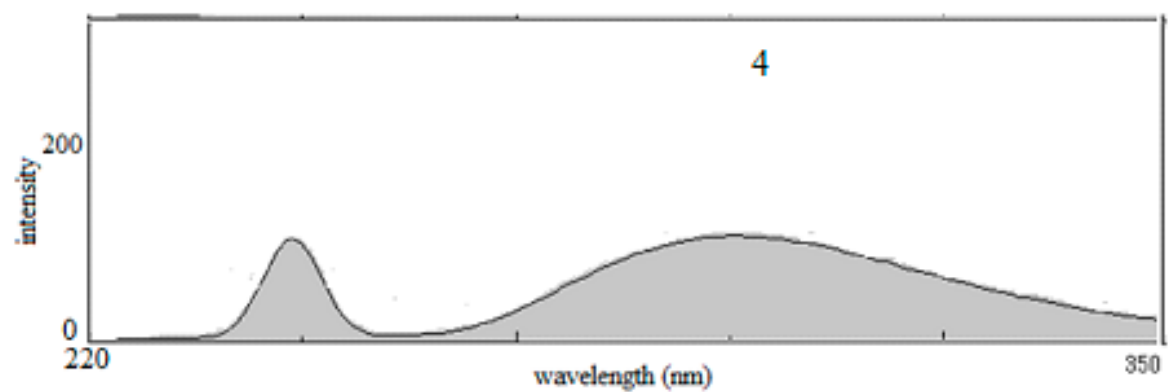


Figure S9 Luminescence spectrum of compound **4**

Table S1. Antibacterial zones of inhibition measured in mm for compounds 1-4.

Compound	Inhibition zone against <i>K. Pnamonia</i>	Inhibition zone against <i>Streptococcus</i>
1	9	13
2	16	18
3	16	07
4	9	16
Standard	Cefixime = 18	Azithromycin = 19.5

Table S2. Antioxidant potentials for compounds 1-4.

Compound	ABTS, IC ₅₀ (µg/mL)	DPPH, IC ₅₀ (µg/mL)
1	199	151
2	225	241
3	280	451
4	490	851
Ascorbic acid	04	02

Table S3 IC₅₀ values of compounds as AChE and BChE enzyme inhibitors

Compound	AChE, IC ₅₀ (µg/mL)	BChE, IC ₅₀ (µg/mL)
1	0.95	0.87
2	230	195
3	275	220
4	280	237
Galantamine	0.56	0.55