

Benzimidazol-2-ylidene Silver Complexes: Synthesis, Characterization, Antimicrobial and Antibiofilm Activities, Molecular Docking and Theoretical Investigations

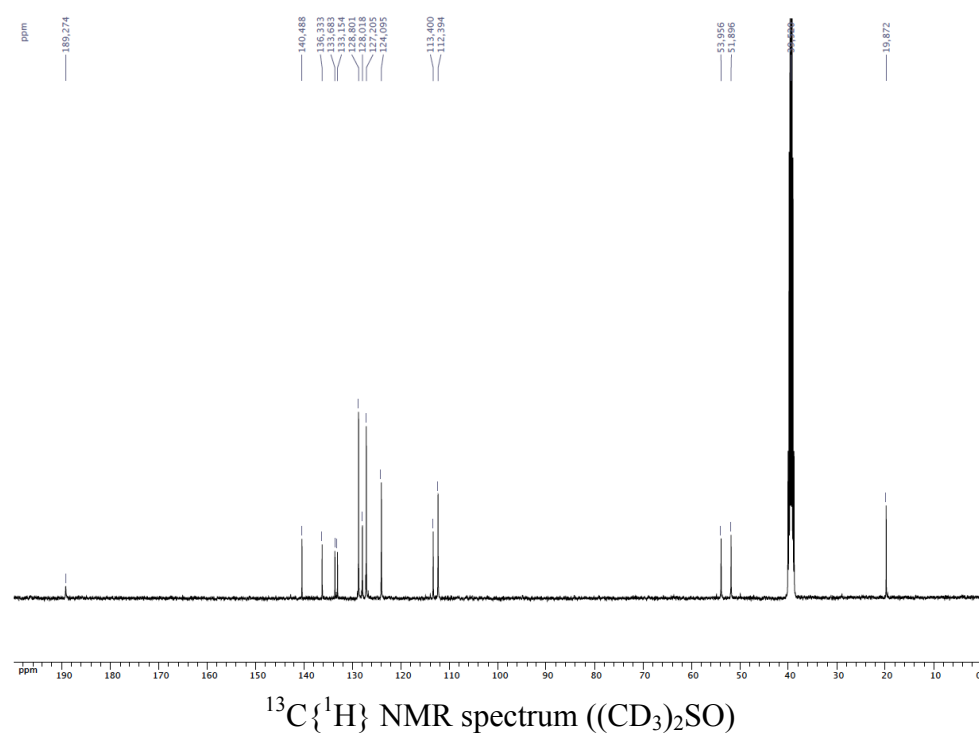
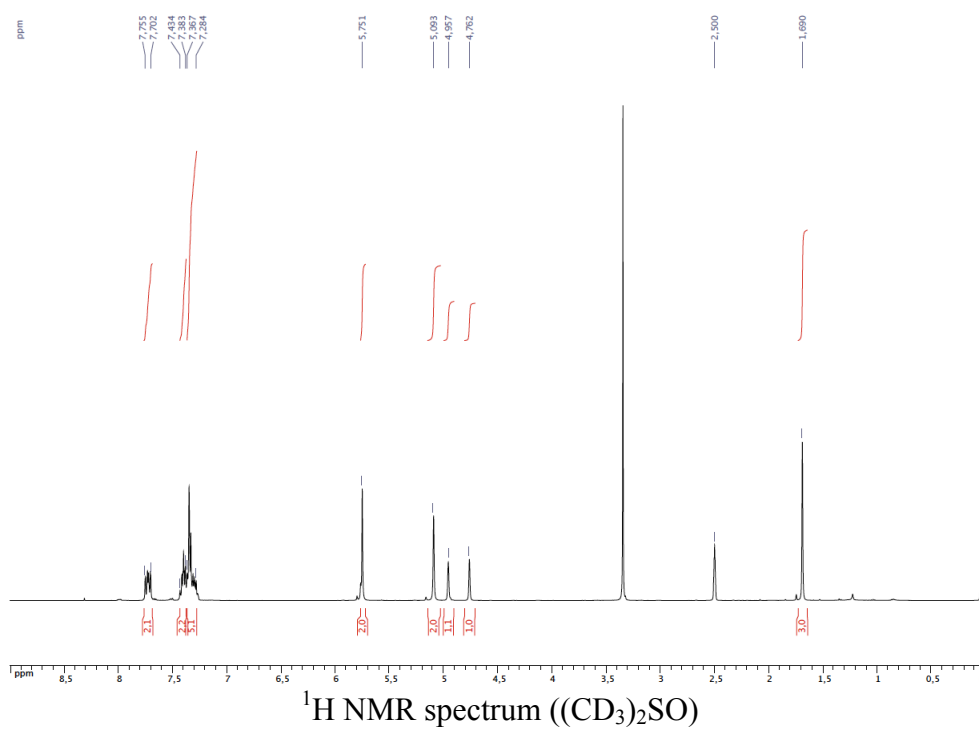
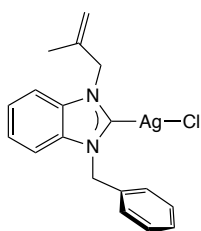
Uğur Tutar, Cem Çelik, Elvan Üstün, Namık Özdemir, Neslihan Şahin, David Sémeril,

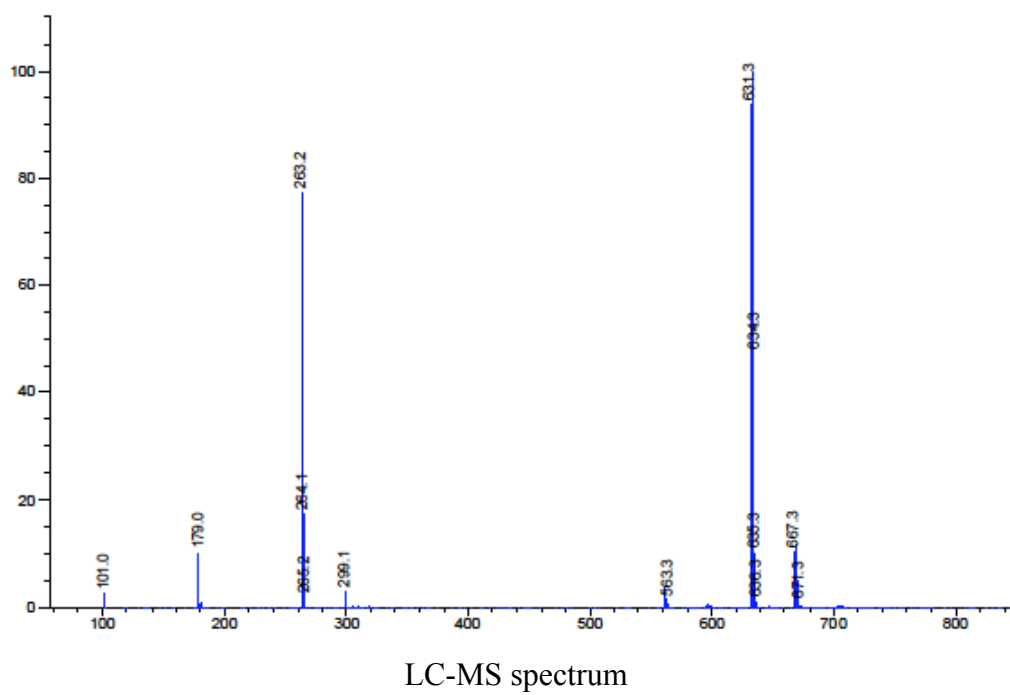
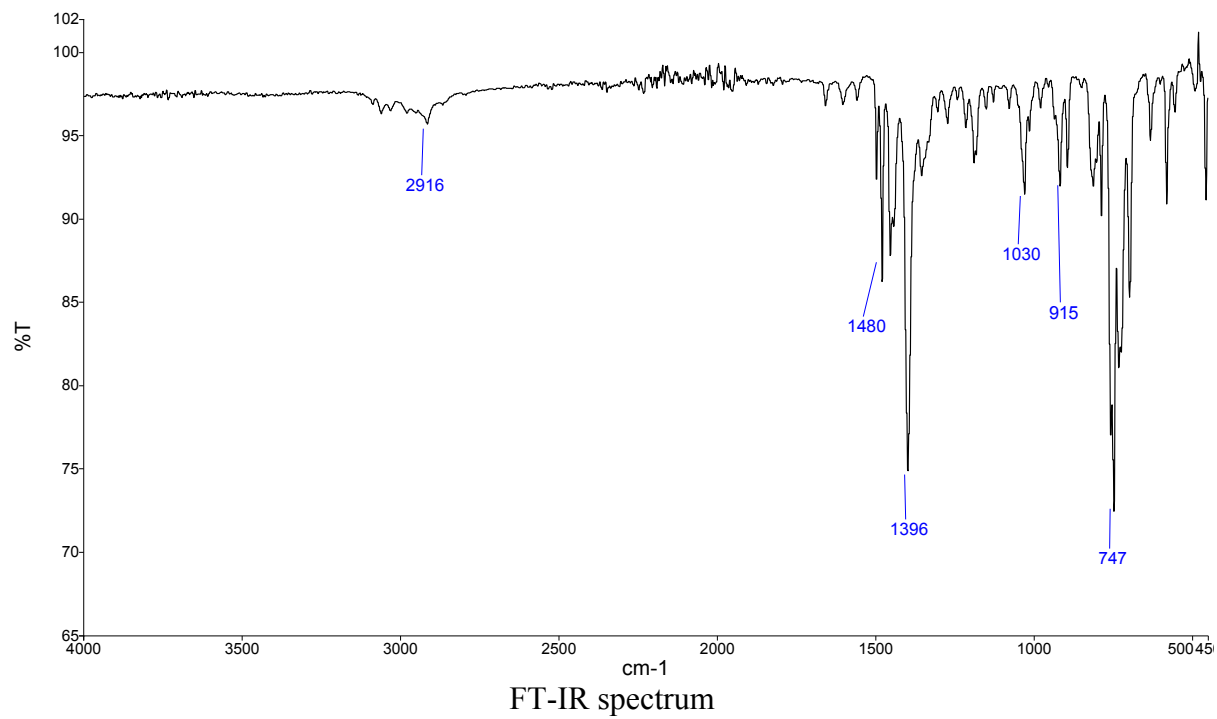
Nevin Gürbüz and İsmail Özdemir

Contents

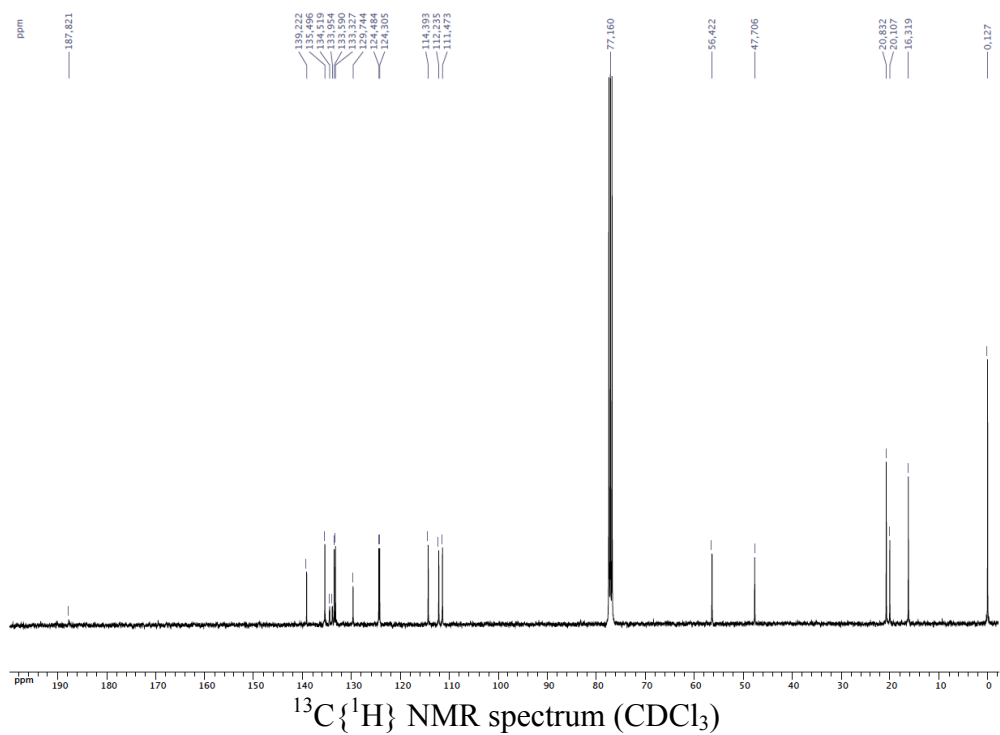
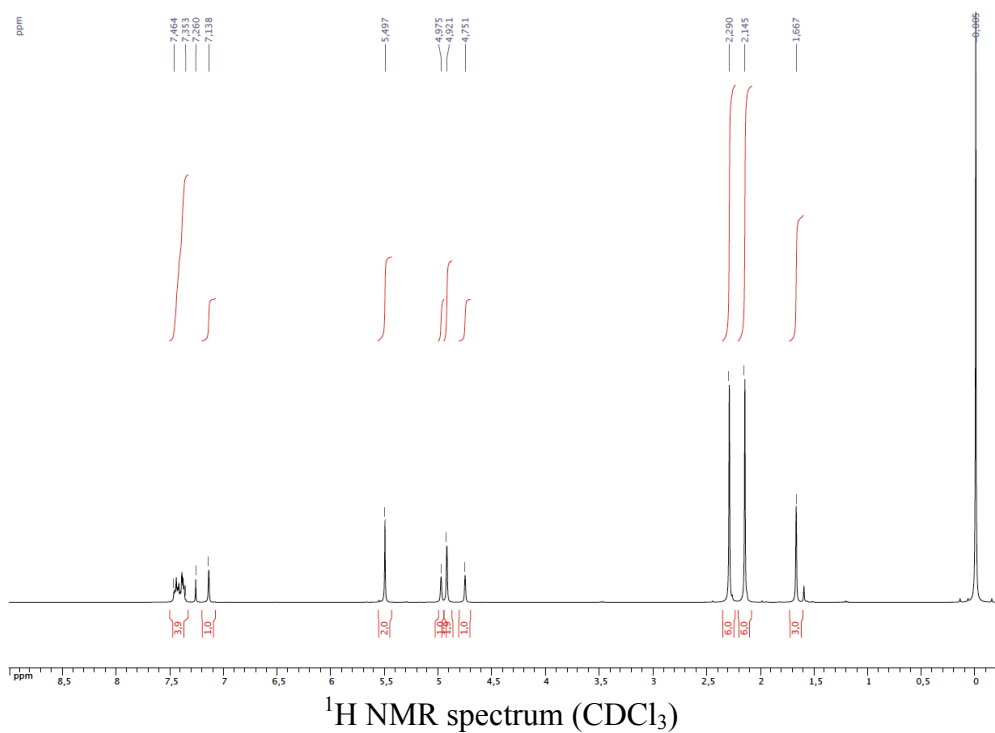
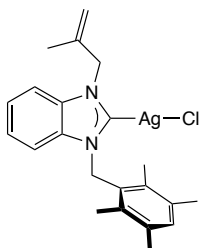
Characterizing data of chloro[1-methallyl-3-benzyl)benzimidazol-2-ylidene]silver(I) (6)	p 2
Characterizing data of chloro[1-methallyl-3-(2,3,5,6-tetramethylbenzyl)benzimidazol-2-ylidene]silver(I) (7)	p 4
Characterizing data of chloro[1-methallyl-3-(3,4,5-trimethoxylbenzyl)benzimidazol-2-ylidene]silver(I) (8)	p 6
Characterizing data of chloro[1-methallyl-3-(naphthylmethyl)benzimidazol-2-ylidene]silver(I) (9)	p 8
Characterizing data of chloro[1-methallyl-3-(anthracen-9-yl-methyl)benzimidazol-2-ylidene]silver(I) (10)	p 10
Interaction details of Ciprofloxacin and Fluconazole with DNA gyrase of <i>Escherichia Coli</i> and CYP51 of <i>Candida albicans</i>	p12
Interaction details of complexes 6-10 with DNA gyrase of <i>Escherichia Coli</i> and CYP51 of <i>Candida albicans</i>	p 13

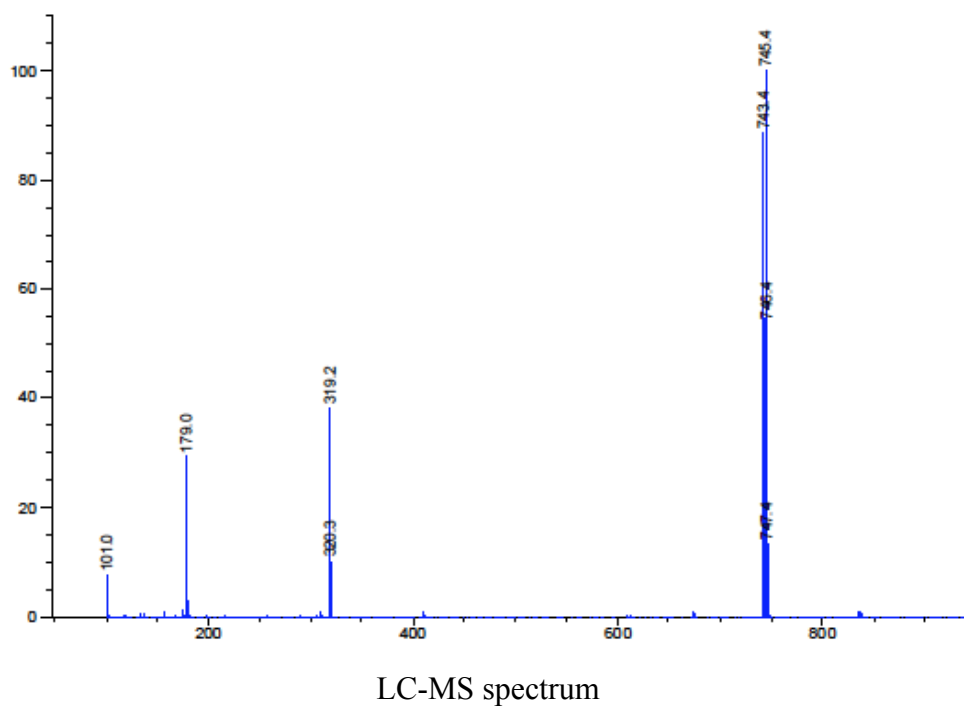
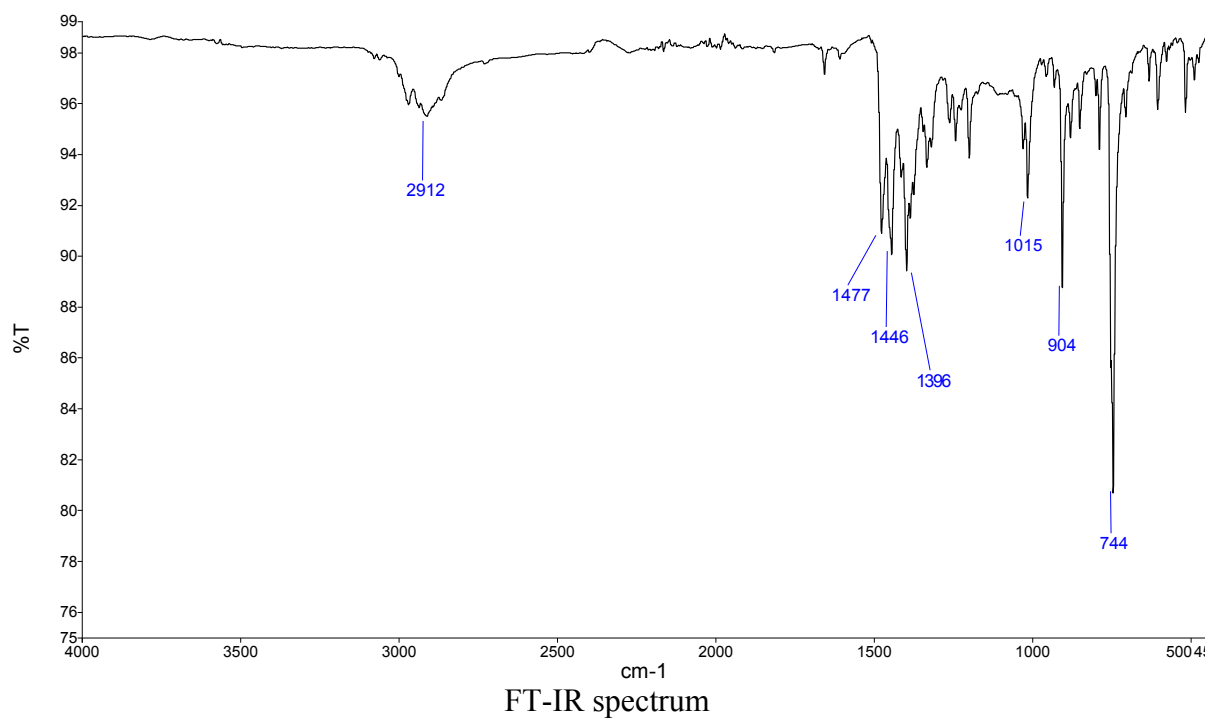
Chloro[1-methallyl-3-benzyl)benzimidazol-2-ylidene]silver(I) (6)



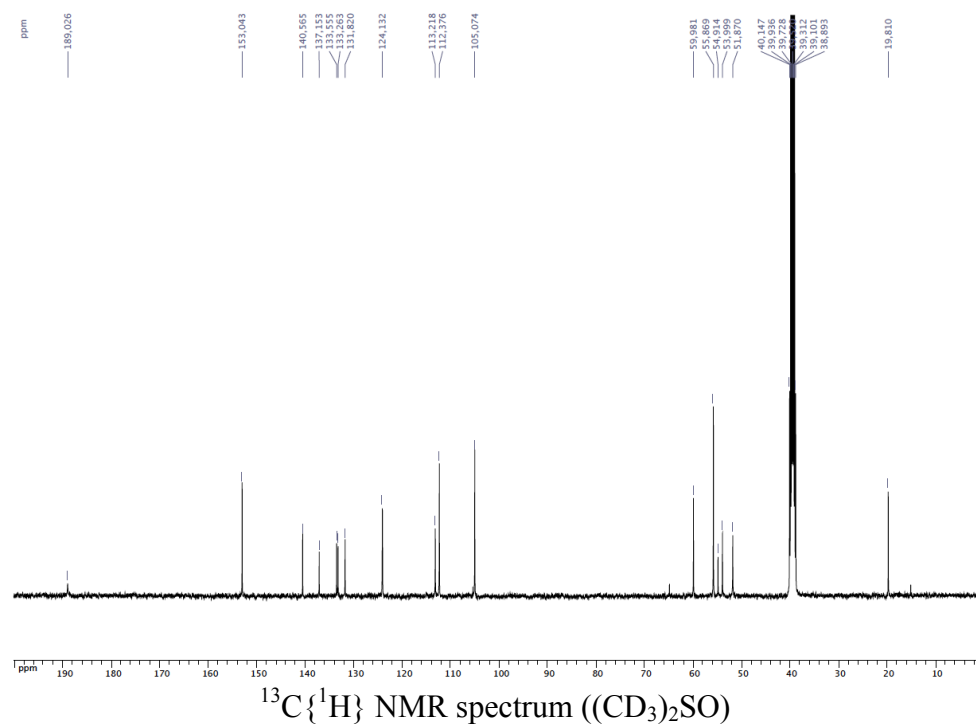
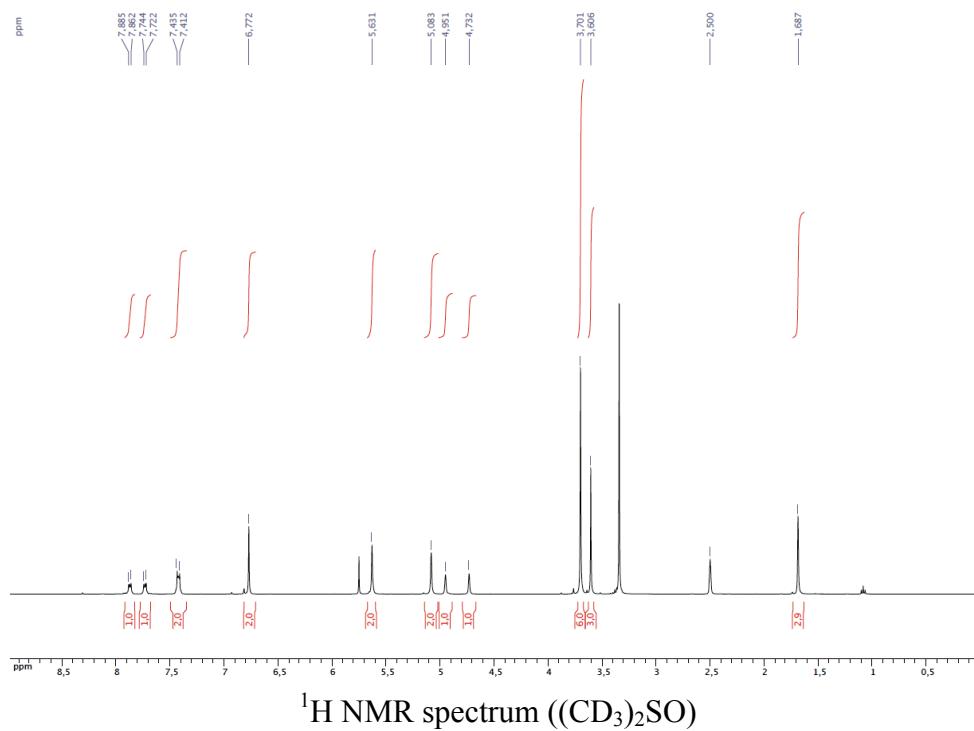
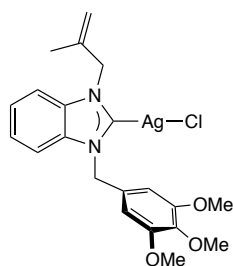


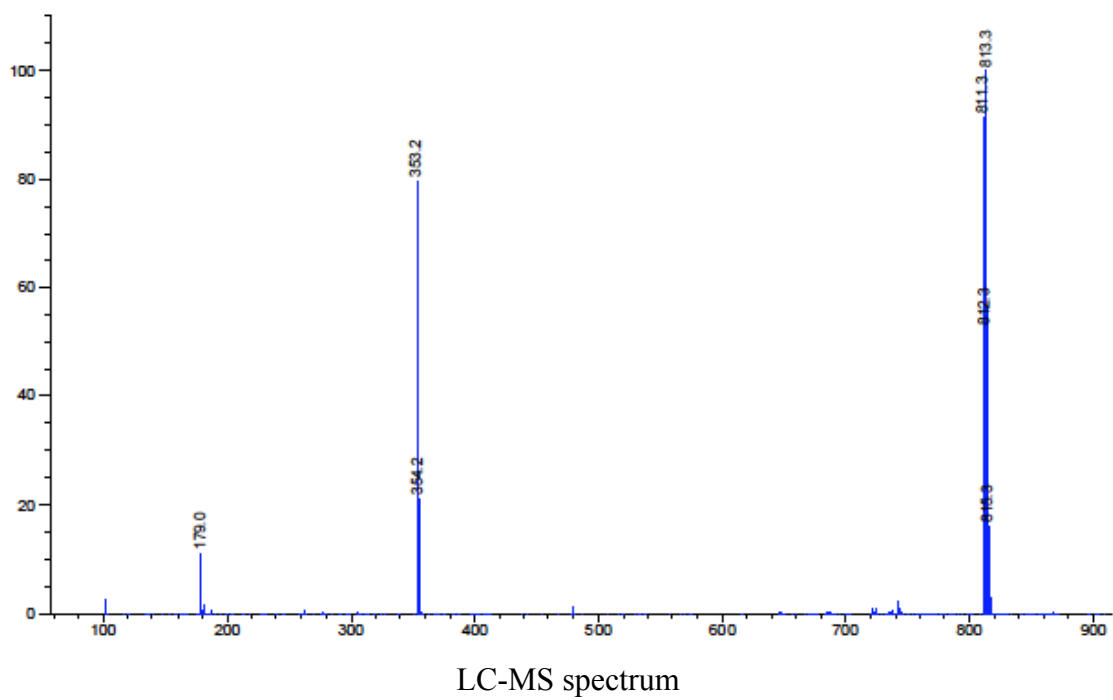
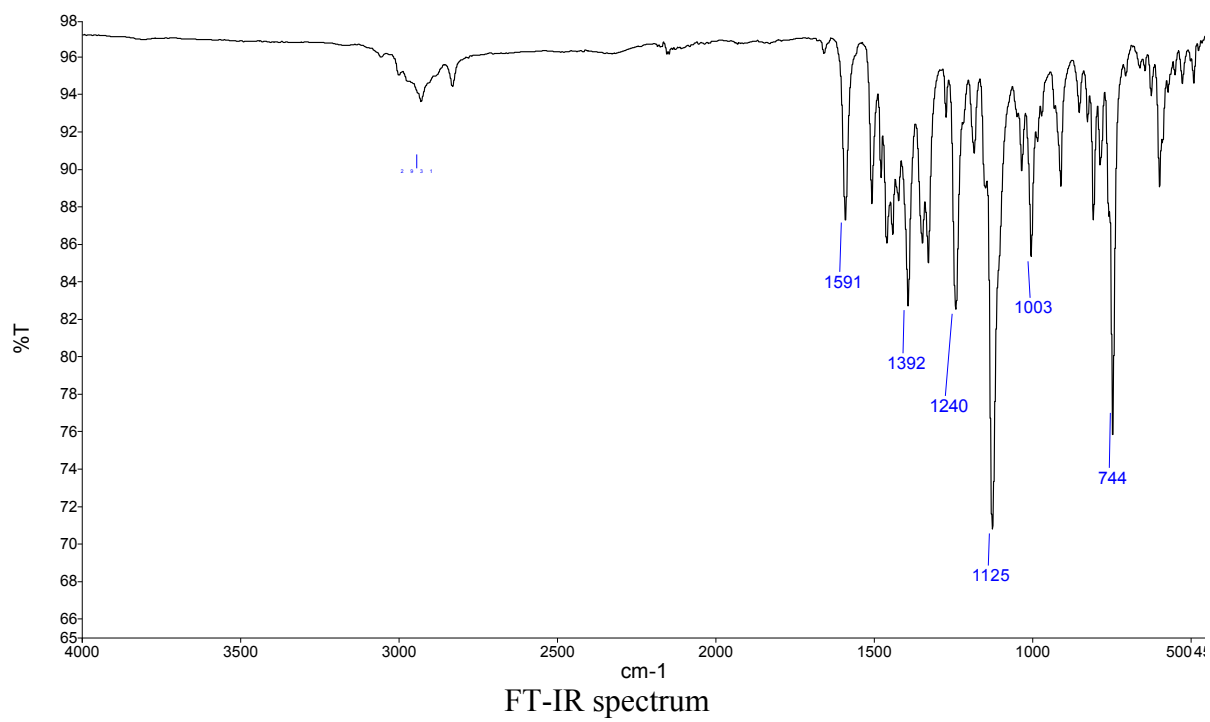
Chloro[1-methallyl-3-(2,3,5,6-tetramethylbenzyl)benzimidazol-2-ylidene]silver(I) (7)



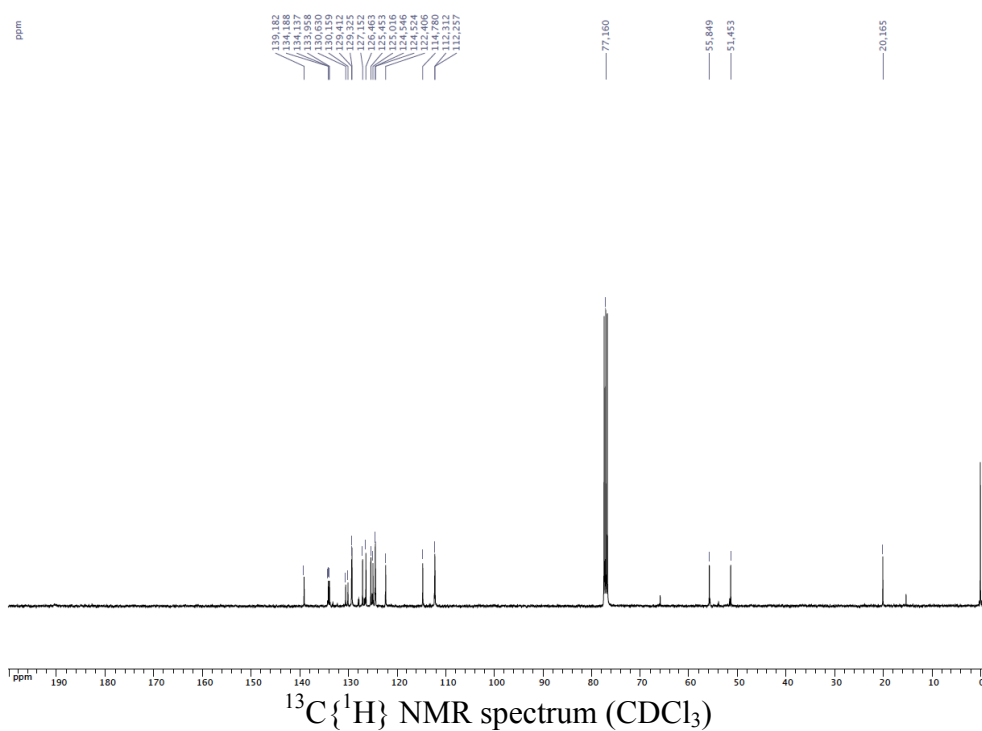
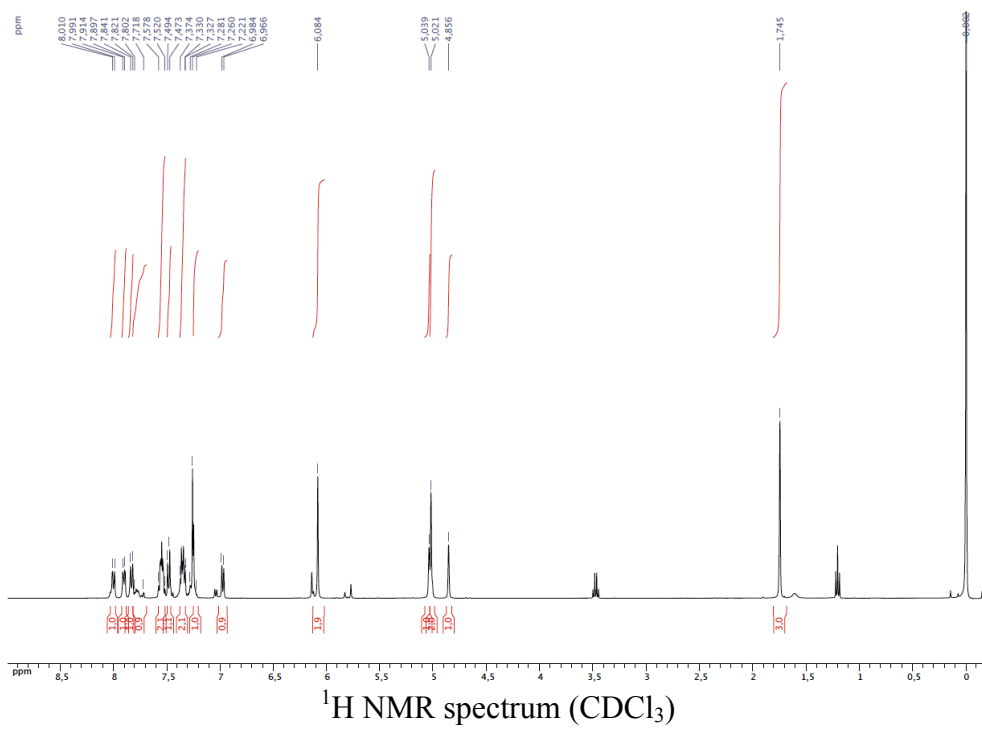
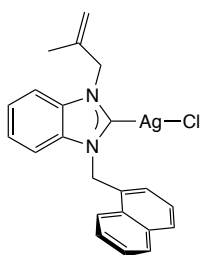


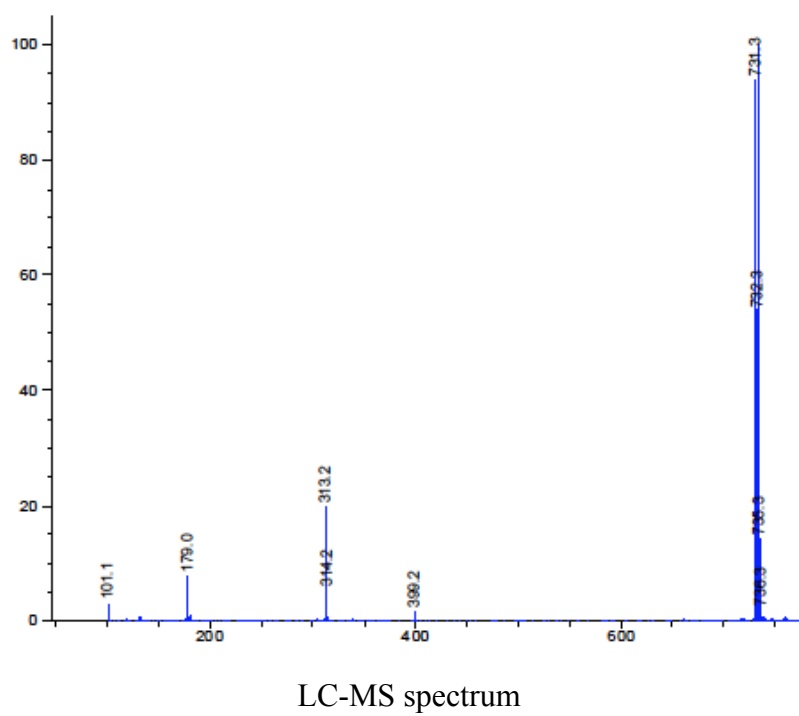
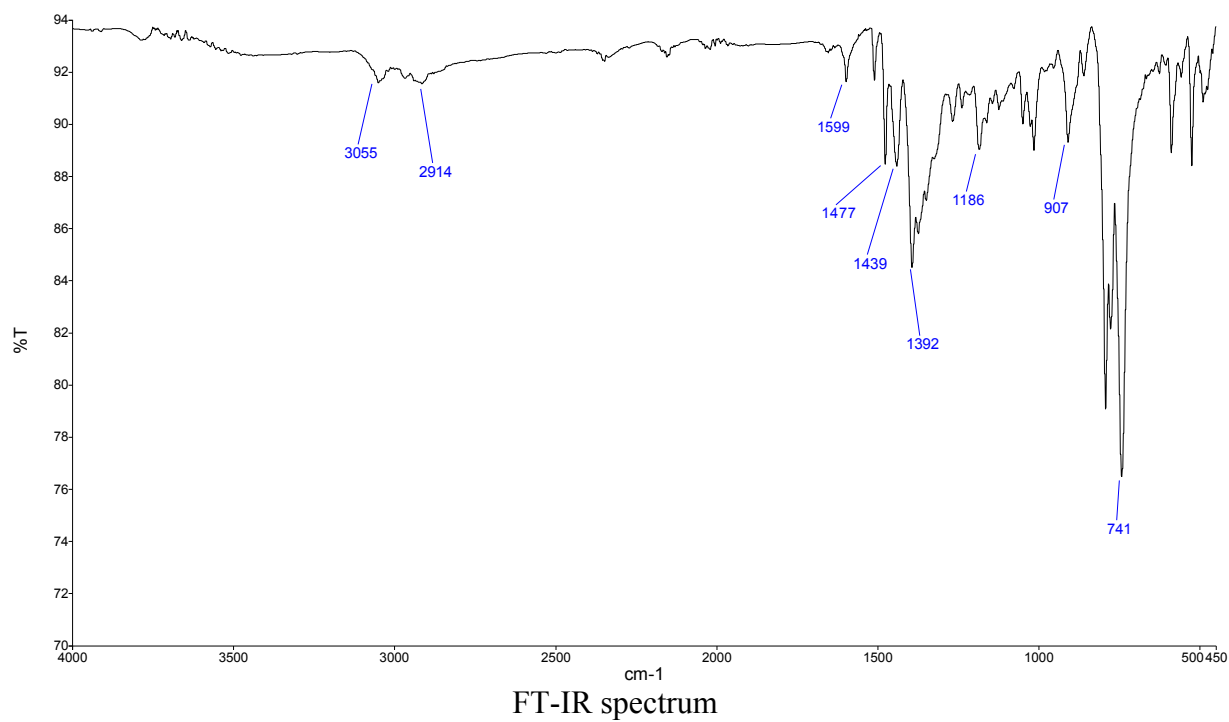
Chloro[1-methallyl-3-(3,4,5-trimethoxybenzyl)benzimidazol-2-ylidene]silver(I) (8)



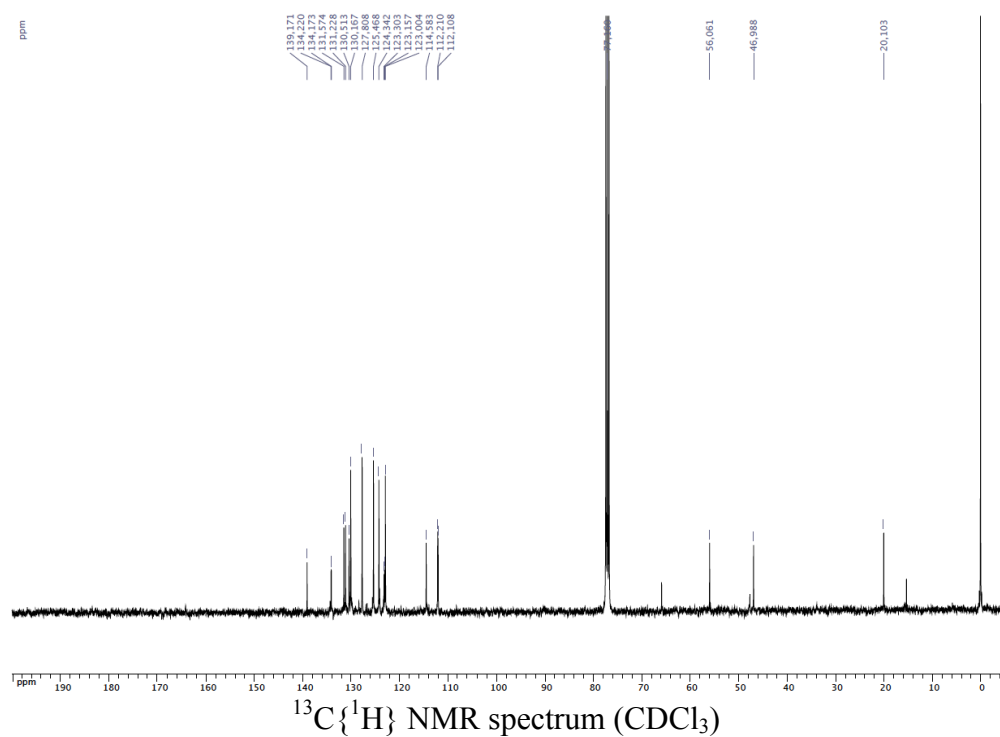
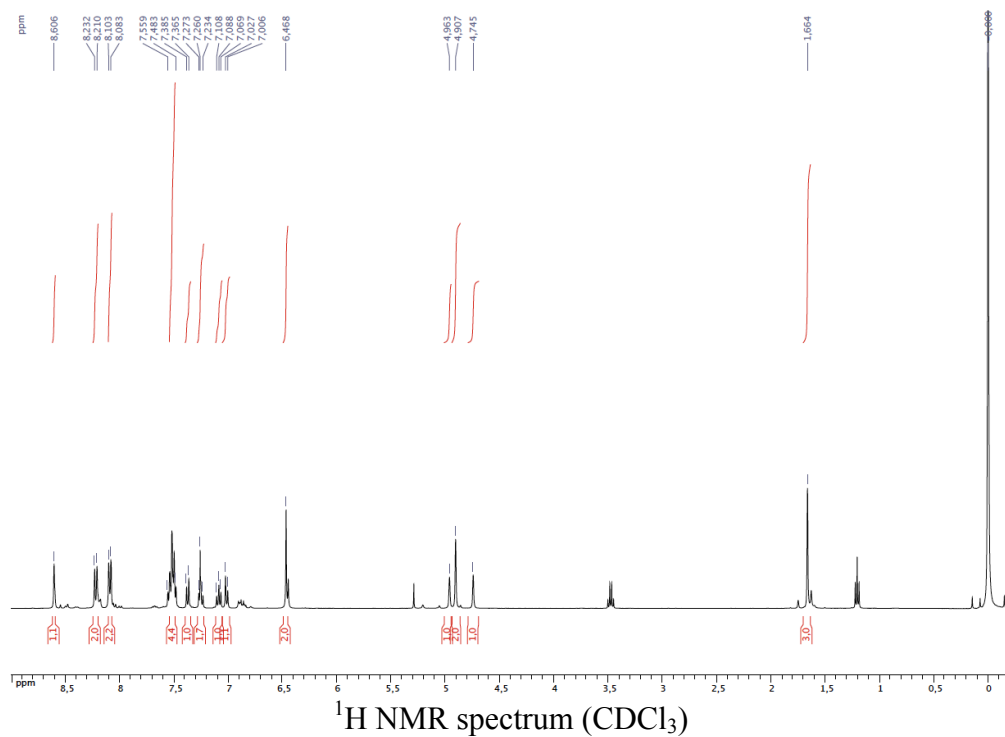
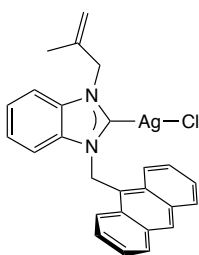


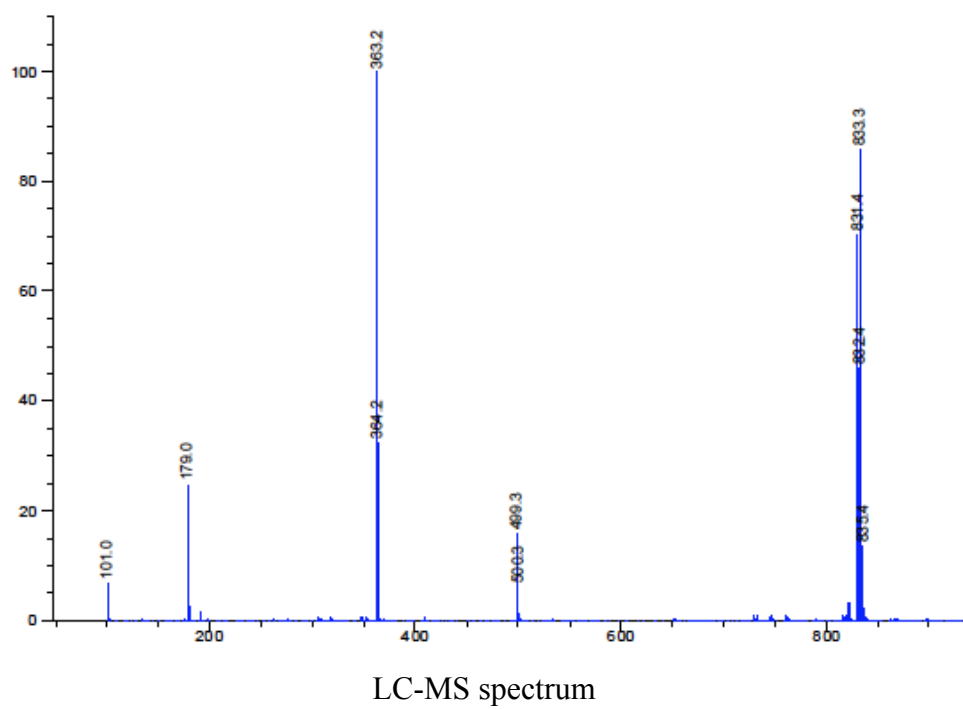
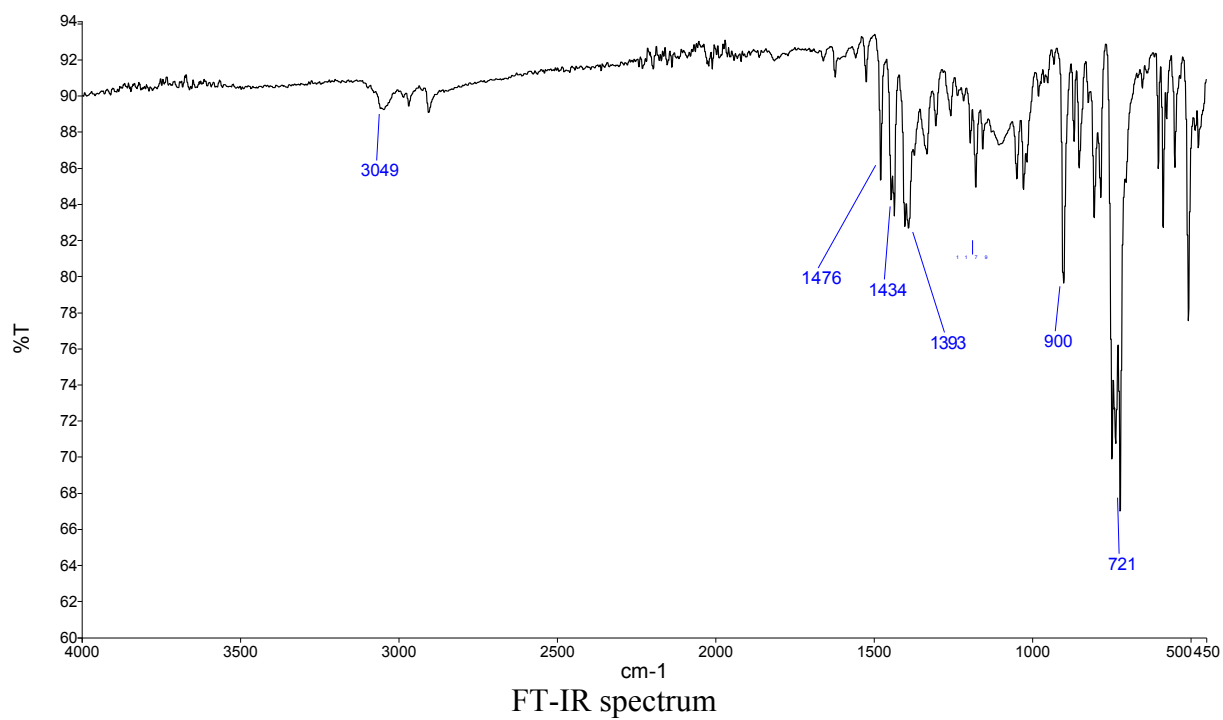
Chloro[1-methallyl-3-(naphthylmethyl)benzimidazol-2-ylidene]silver(I) (9)

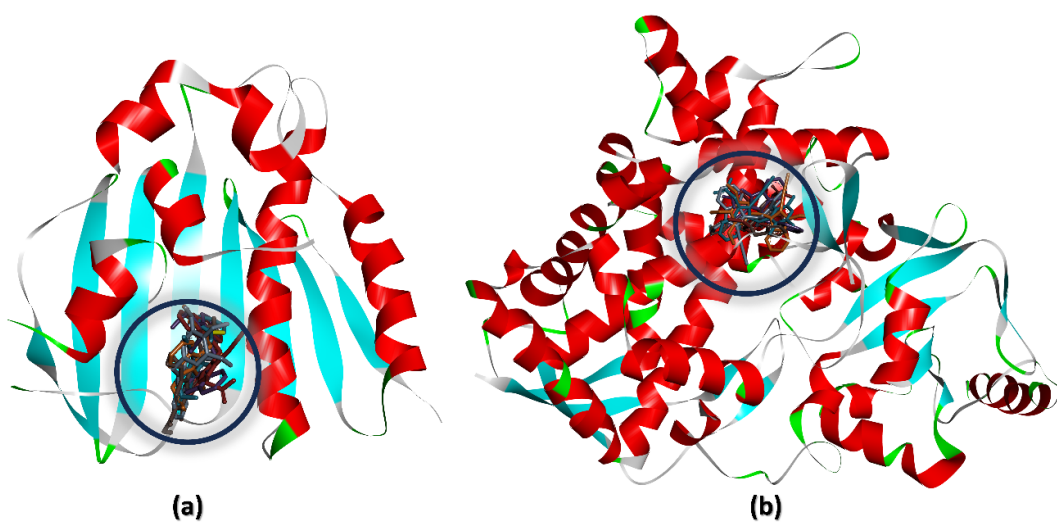




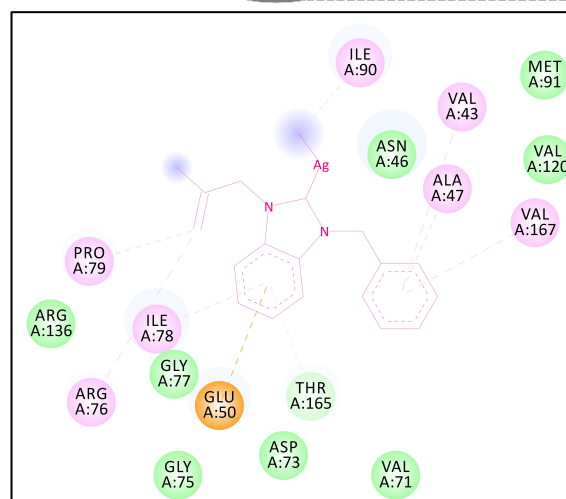
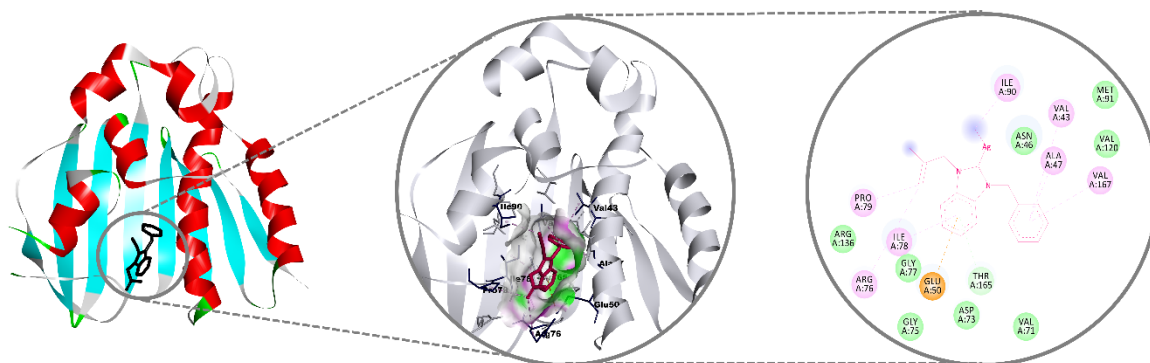
Chloro[1-methylallyl-3-(anthracen-9-yl-methyl)benzimidazol-2-ylidene]silver(I) (10)



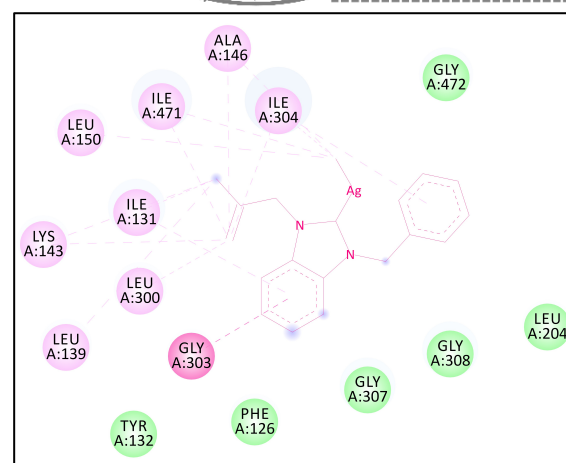
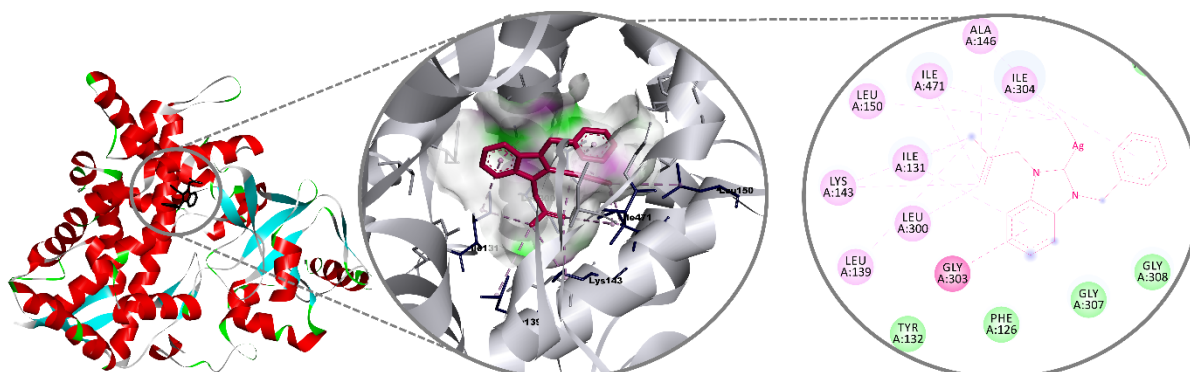




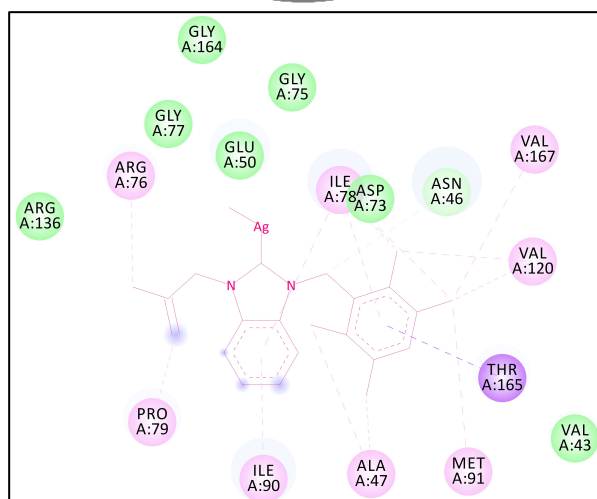
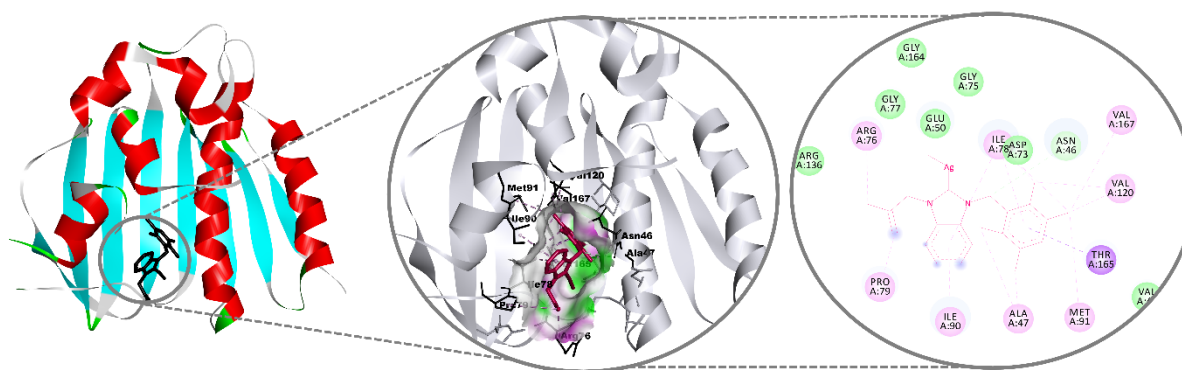
Interaction details of Ciprofloxacin and Fluconazole with (a) DNA gyrase of *Escherichia Coli* and (b) CYP51 from *Candida albicans*.



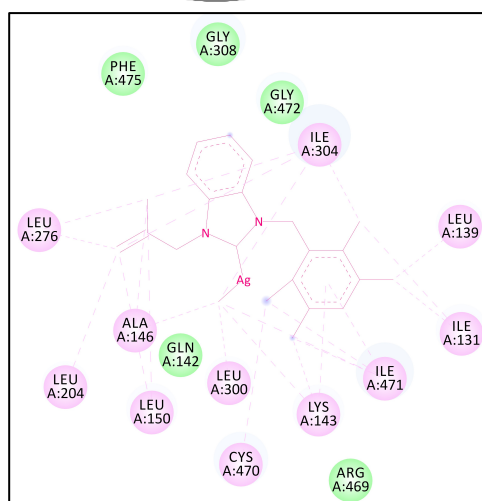
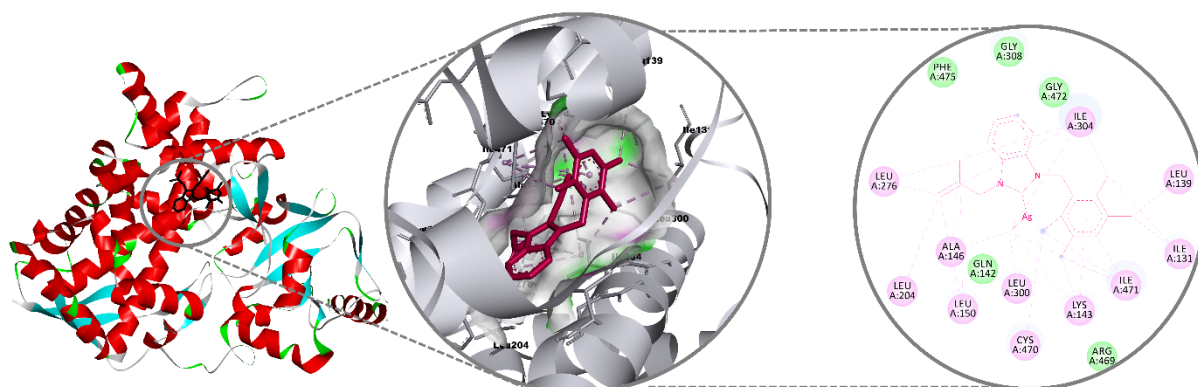
Interaction details of complex 6 with DNA gyrase of *Escherichia Coli*.



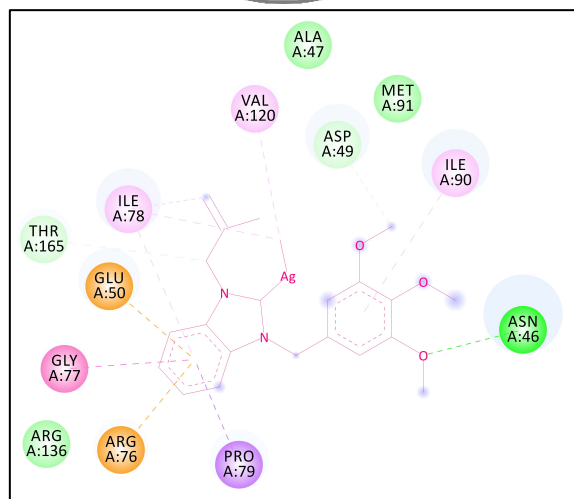
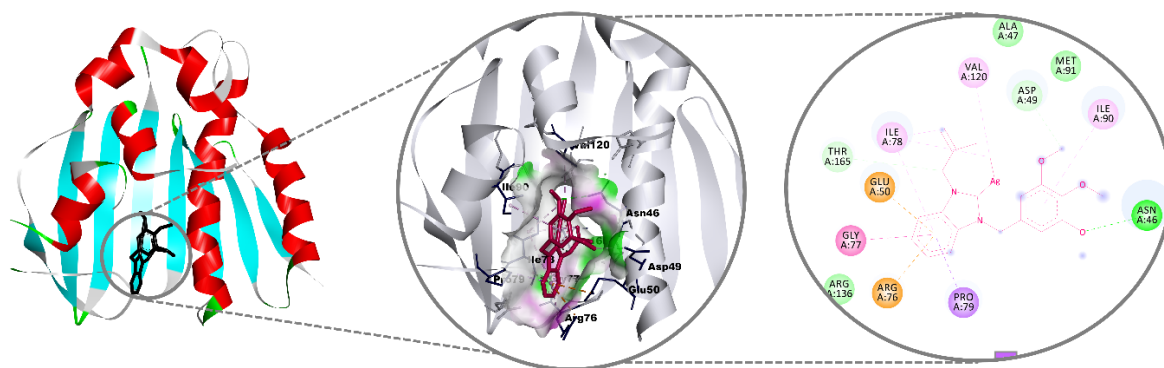
Interaction details of complex 6 with CYP51 of *Candida albicans*.



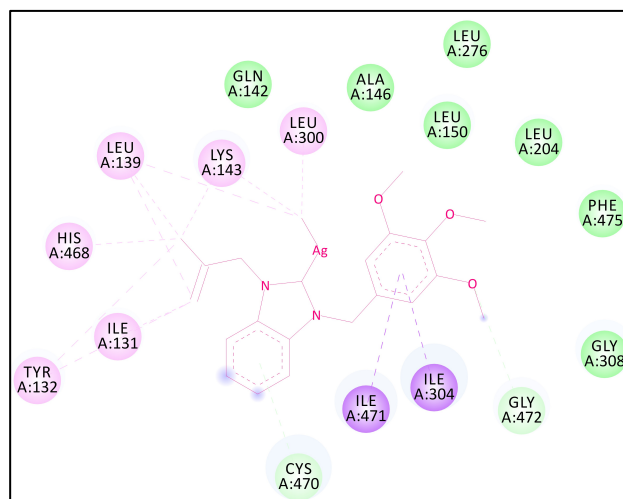
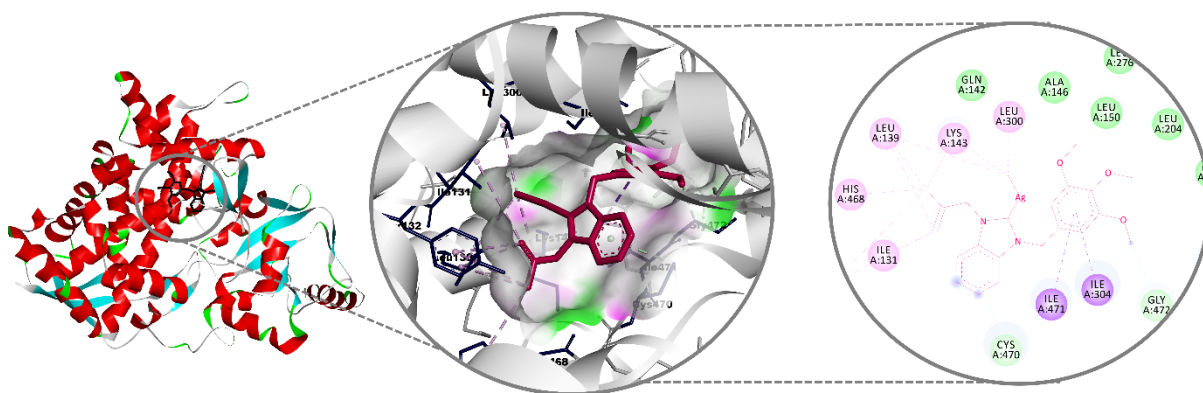
Interaction details of complex 7 with DNA gyrase of *Escherichia Coli*.



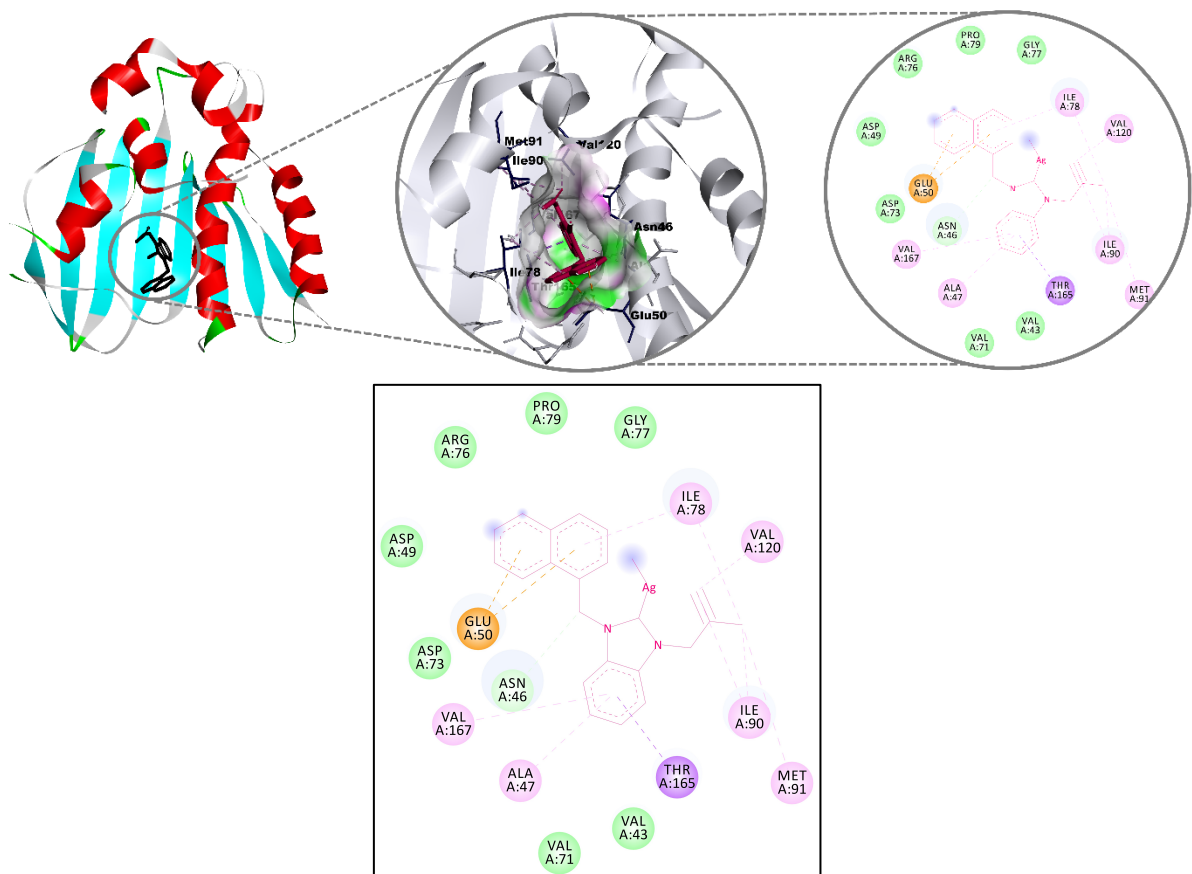
Interaction details of complex 7 with CYP51 of *Candida albicans*.



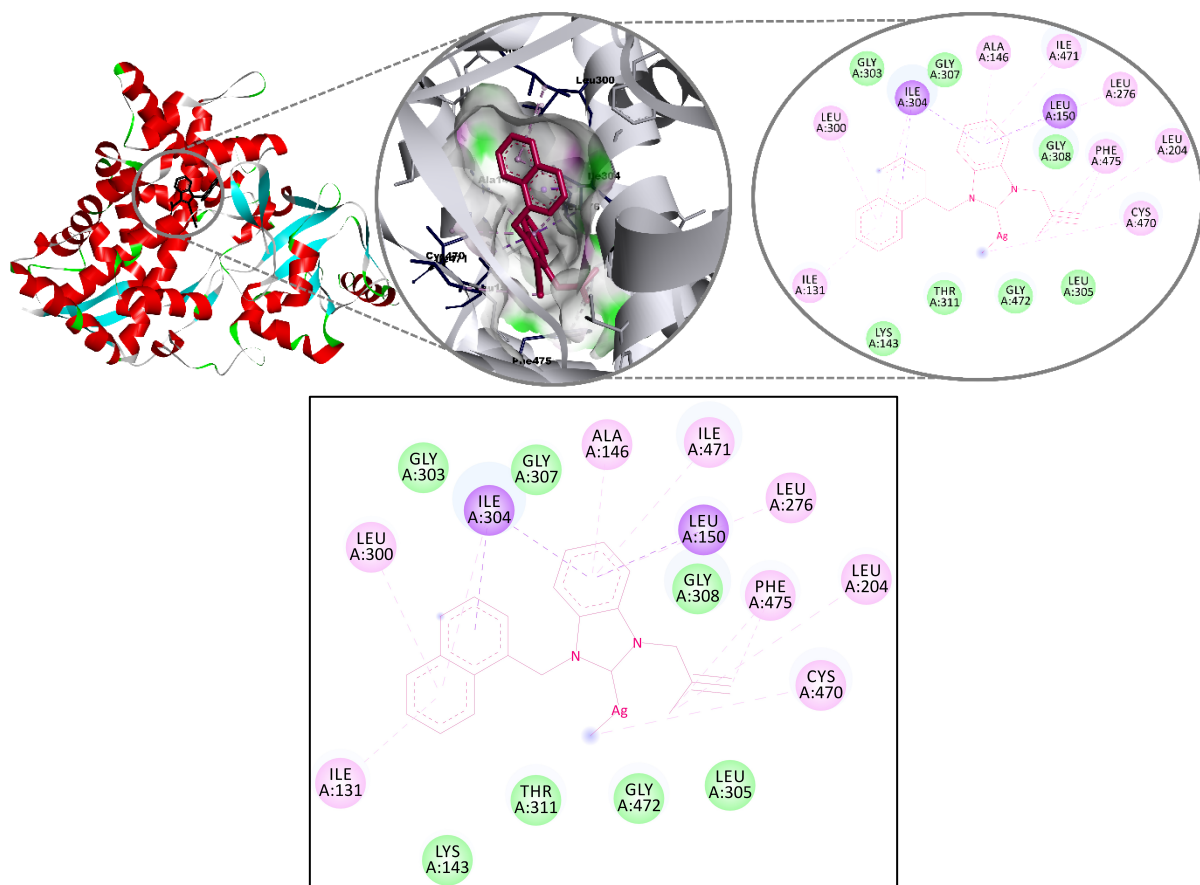
Interaction details of complex **8** with DNA gyrase of *Escherichia coli*.



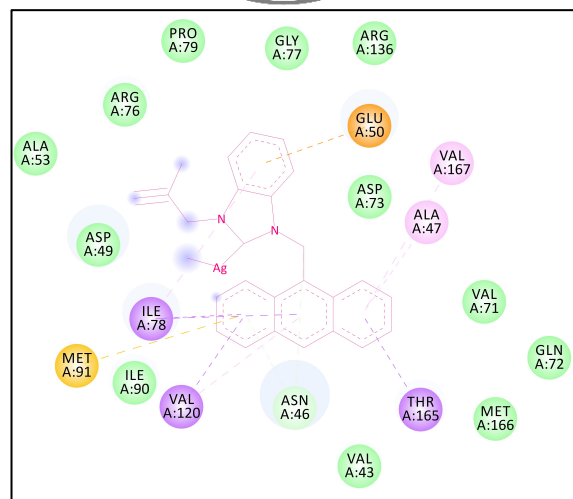
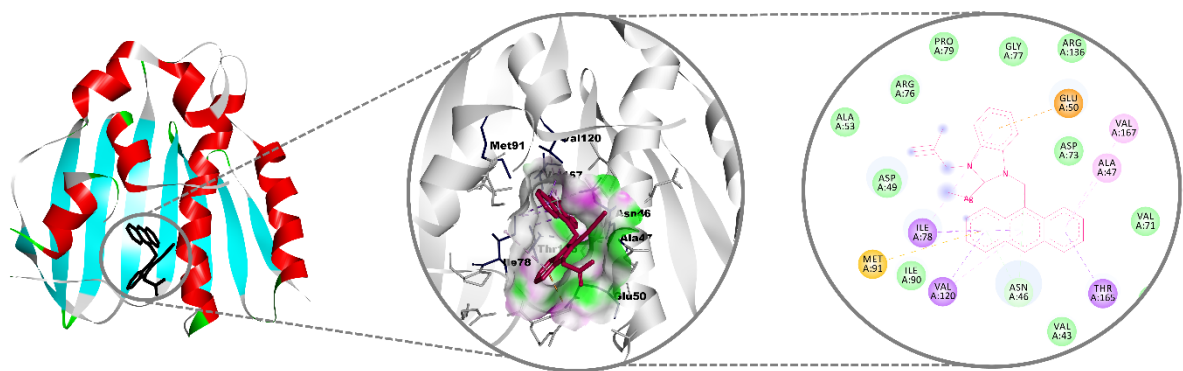
Interaction details of complex **8** with CYP51 of *Candida albicans*.



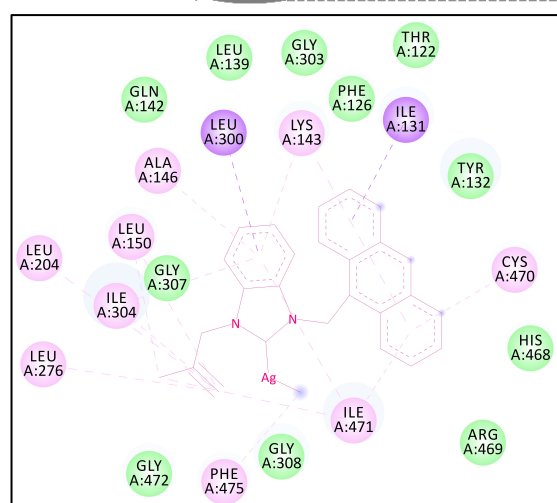
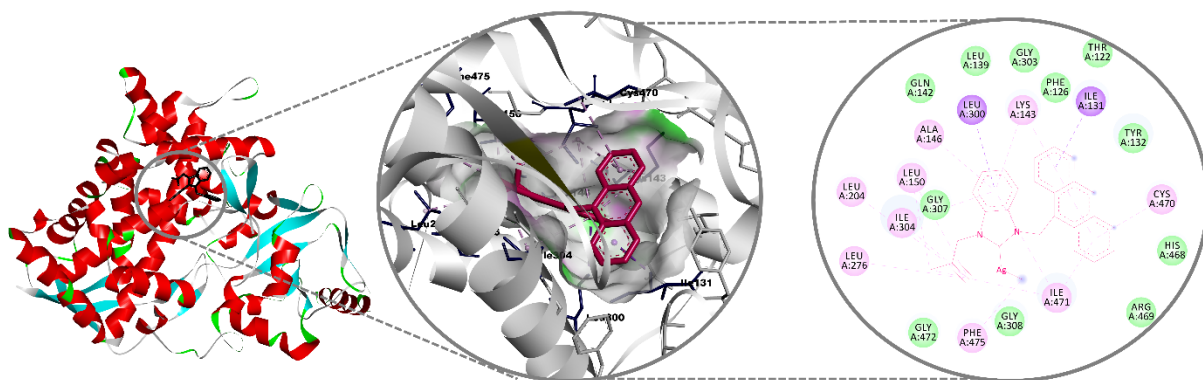
Interaction details of complex 9 with DNA gyrase of *Escherichia Coli*.



Interaction details of complex 9 with CYP51 of *Candida albicans*.



Interaction details of complex **10** with DNA gyrase of *Escherichia Coli*.



Interaction details of complex **10** with CYP51 of *Candida albicans*.