





FTIR spectrum of compound 1b







FTIR spectrum of compound 1d







FTIR spectrum of compound 2b



FTIR spectrum of compound 2c



FTIR spectrum of compound 2d







FTIR spectrum of compound 2f







FTIR spectrum of compound 2h







FTIR spectrum of compound 3b



FTIR spectrum of compound 3c



FTIR spectrum of compound 3d







FTIR spectrum of compound 3f



FTIR spectrum of compound 3f



¹H-NMR spectrum of compound 1a



¹H-NMR spectrum of compound 1b







¹H-NMR spectrum of compound 1d



¹H-NMR spectrum of compound 2a



¹H-NMR spectrum of compound 2b







¹H-NMR spectrum of compound 2d



¹H-NMR spectrum of compound 2e



¹H-NMR spectrum of compound 2f











¹H-NMR spectrum of compound 3a



¹H-NMR spectrum of compound 3b







¹H-NMR spectrum of compound 3f



¹H-NMR spectrum of compound 3g



Mass Spectrum of compound 1a



Mass Spectrum of compound 1b



Mass Spectrum of compound 1c



Mass Spectrum of compound 1d



GC-Mass Spectrum of compound 2a



GC-Mass Spectrum of compound 2b



GC-Mass Spectrum of compound 2c



GC-Mass Spectrum of compound 2d



GC-Mass Spectrum of compound 2e



GC-Mass Spectrum of compound 2f



GC-Mass Spectrum of compound 2g



GC-Mass Spectrum of compound 2h



GC-Mass Spectrum of compound 3a



GC-Mass Spectrum of compound 3b



GC-Mass Spectrum of compound 3c







GC-Mass Spectrum of compound 3e



GC-Mass Spectrum of compound 3f







Inhibition zone of compounds 2(a-h) (AA1-AA8) against *Staphylococcus aureus* and *Staphylococcus epidermidis* (gram+ve).







Inhibition zone of compounds 2(a-h) (AA1-AA8) against *Escherichia coli* and *klebsiella sp.*(gram-ve)



Inhibition zone of compounds 2(a-d) (AA1-AA8), and 2(e-h) (AB1-AB8) against Candida albicans



Inhibition zone of compounds 3(a-g) (AC1-AC7) against *Staphylococcus aureus* and *Staphylococcus epidermidis* (gram+ve).





Inhibition zone of compounds 3(a-g) (AC1-AC7) against Escherichia coli and klebsiella sp.(gram-ve)



Inhibition zone of compounds 3(a-g) (AC1-AC7) against Candida albicans