

Supplementary data of (FVII- F2 and F3)

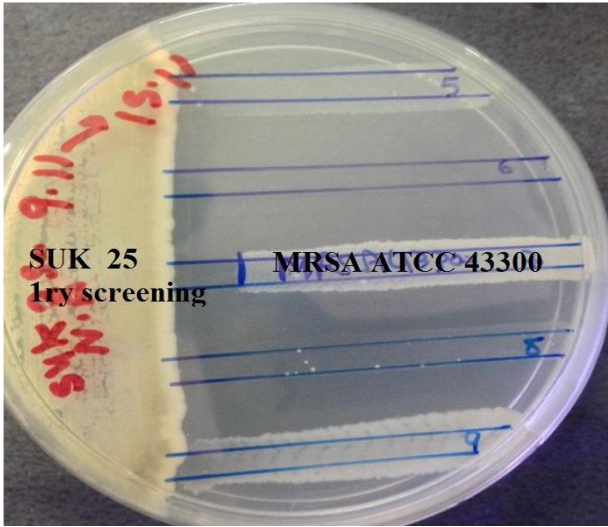


Photo 1: Primary screening of SUK 25 against MRSA ATCC 43300.

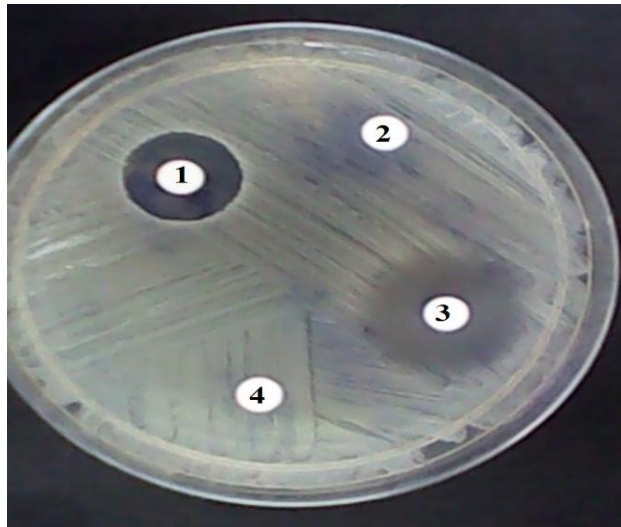


Photo 2: Secondary screening of crude extract 1, Standard positive control vancomycin; 2, Negative control MeOH; 3, Crude extract from SUK 25; 4, Negative control MHB.

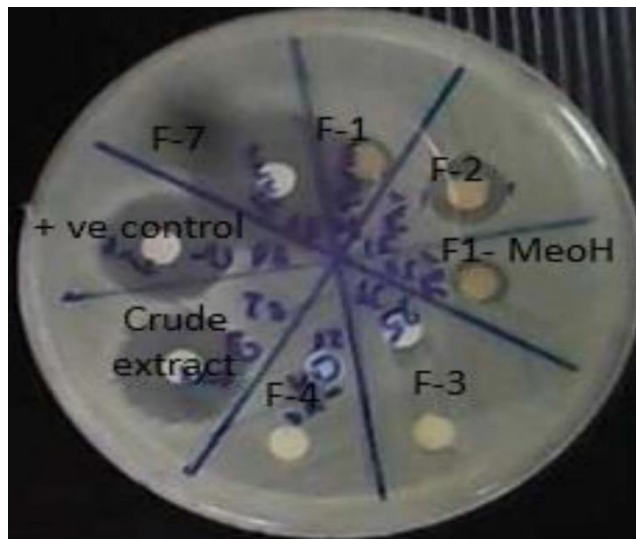


Photo3: Bioautography using the disc diffusion method of purified fractions from CC against MRSA. FVII showed the strongest activity against MRSA.

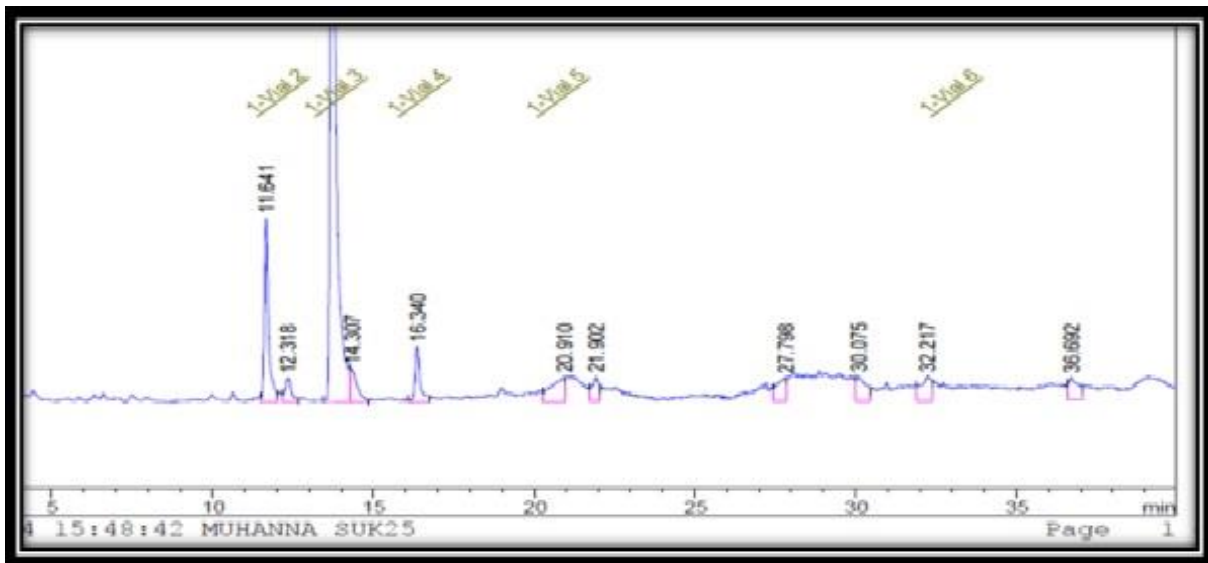


Figure S1. Preparative HPLC of fraction number 7 (FVII)

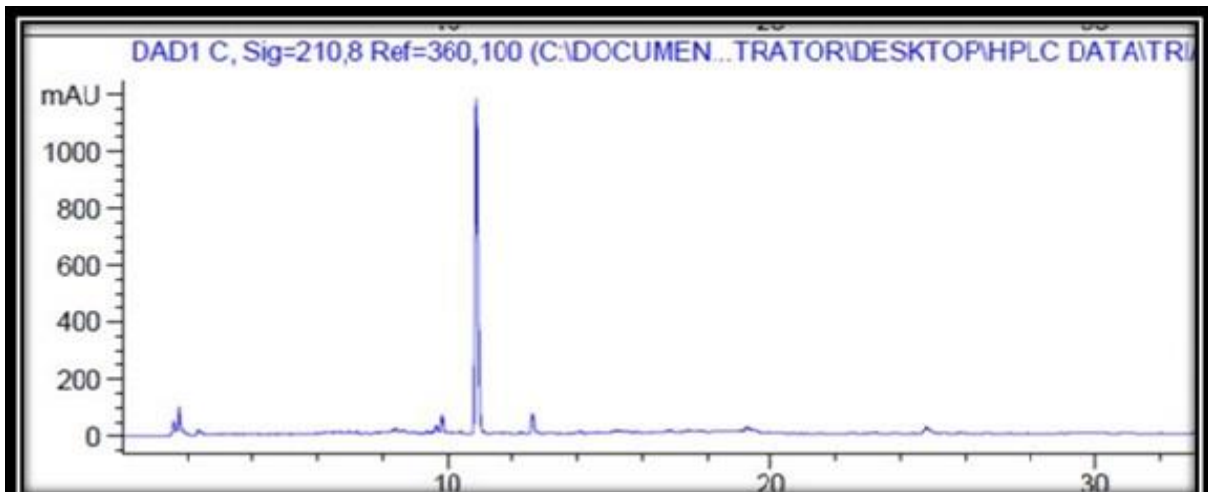


Figure S2. Analytical HPLC of subfraction (F3) in fraction number FVII. Confirm the purity.

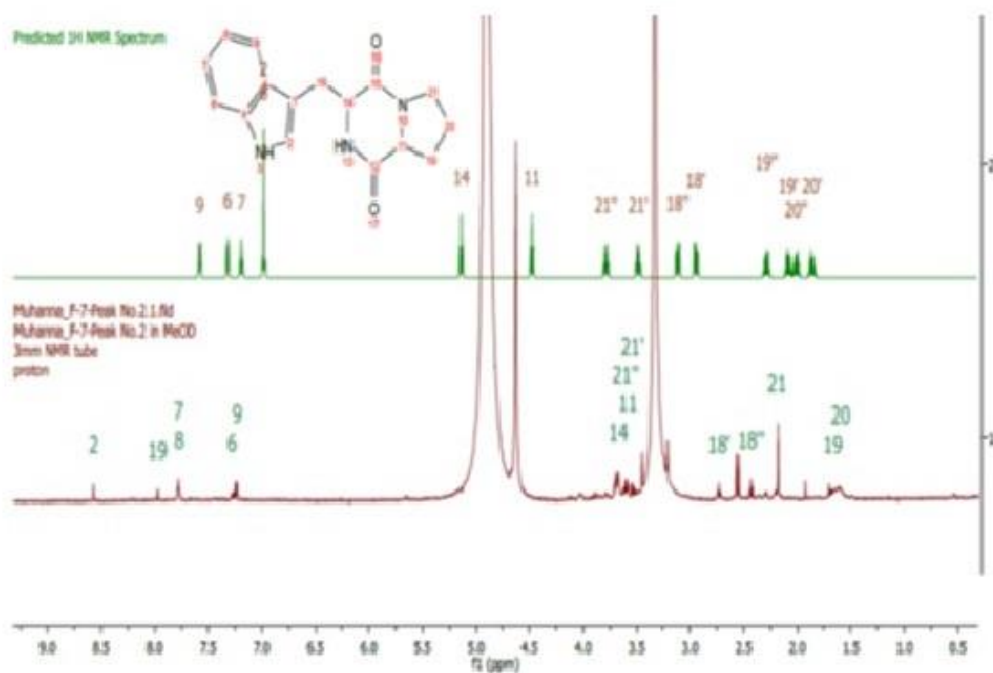


Figure S3. Proton ^1H NMR spectroscopy spectrum of (FVII- F2).

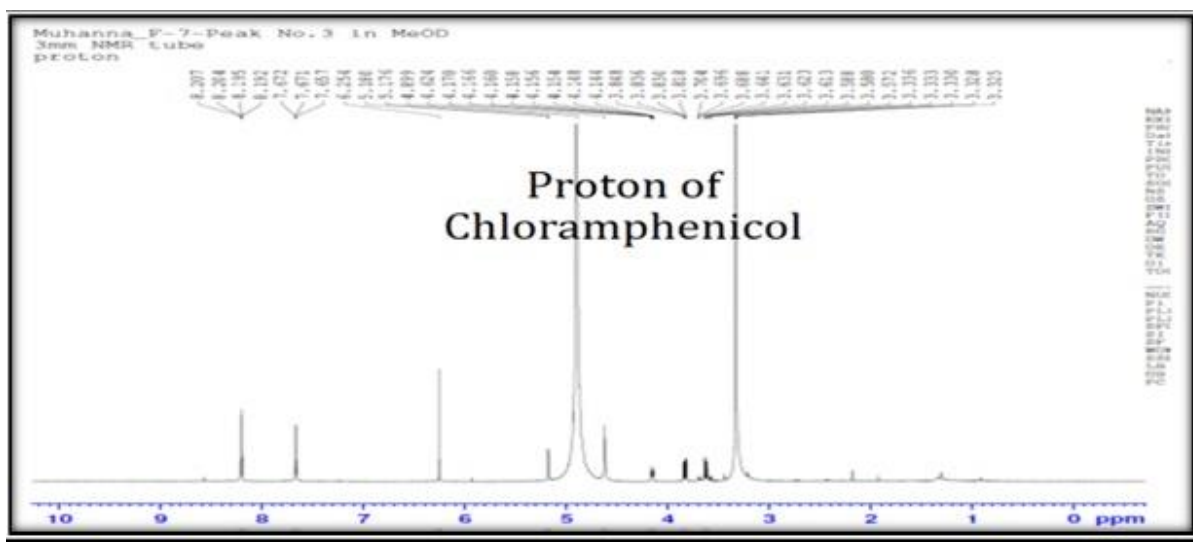


Figure S4. Proton ^1H NMR spectroscopy spectrum of (FVII- F3) showed 12 protons.

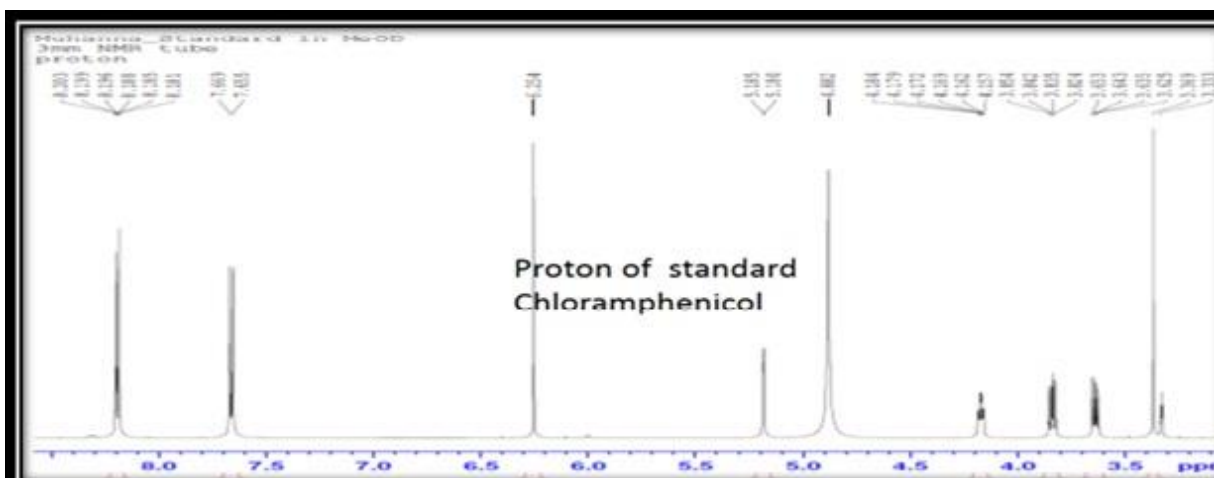


Figure S5. Proton ^1H NMR spectroscopy spectrum of standard CAP (Sigma).

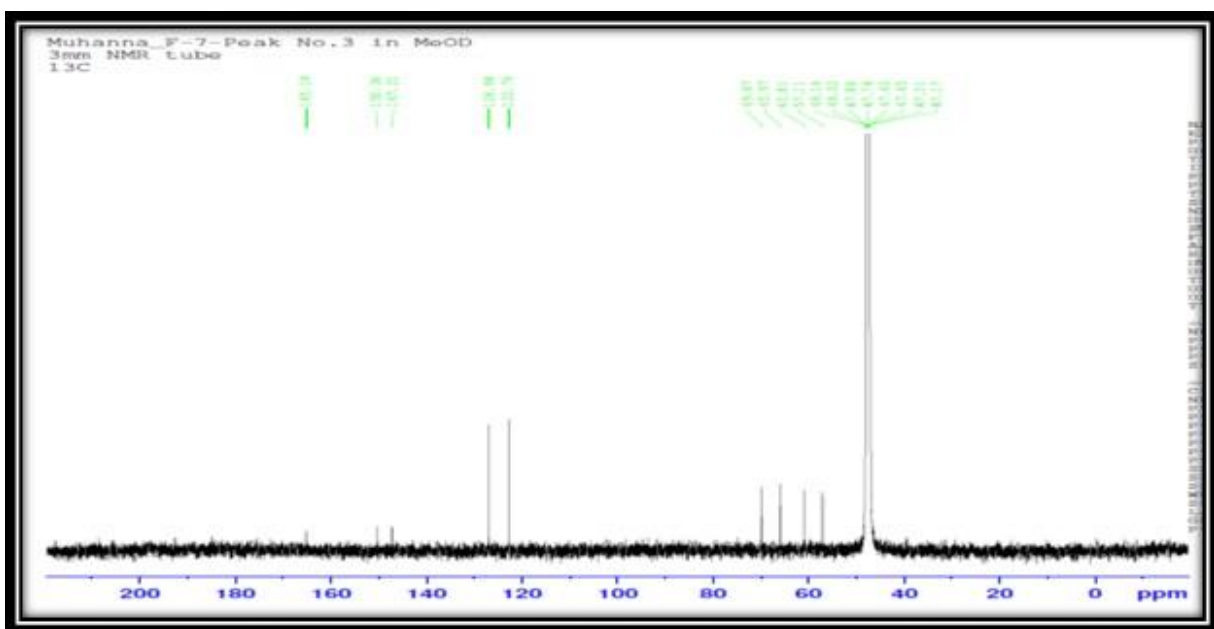


Figure S6. Shows the ^{13}C -NMR spectrum of (FVII-F3).

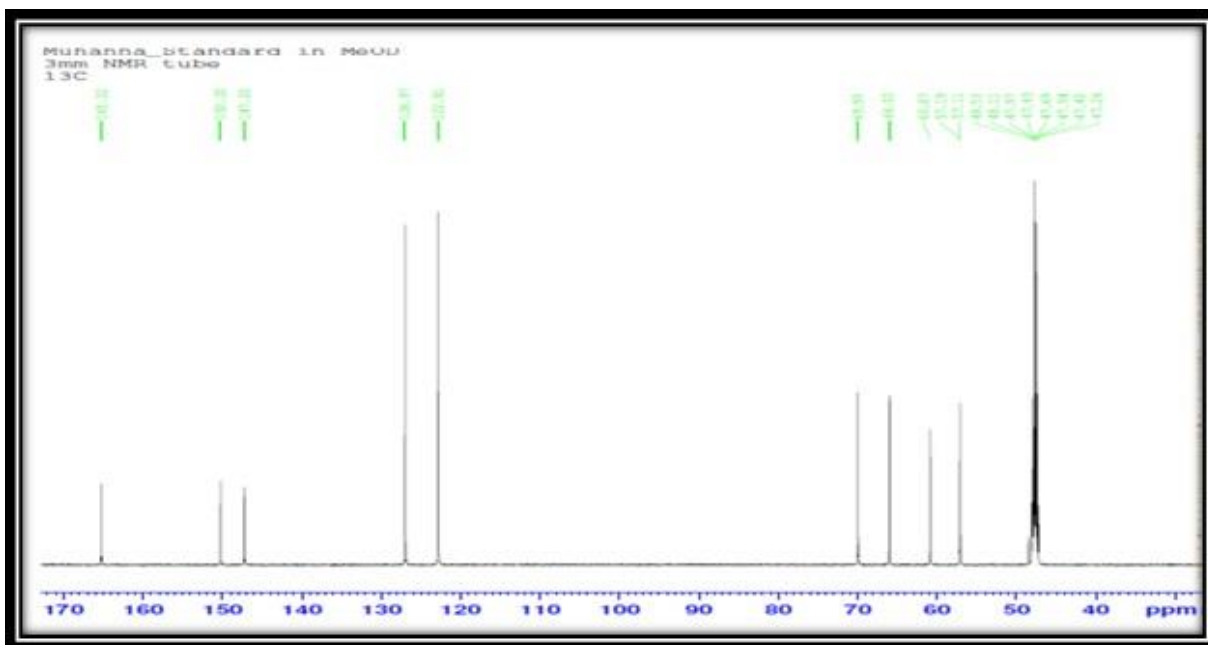


Figure S7. Shows the ^{13}C -NMR spectrum of standard CAP from (Sigma).

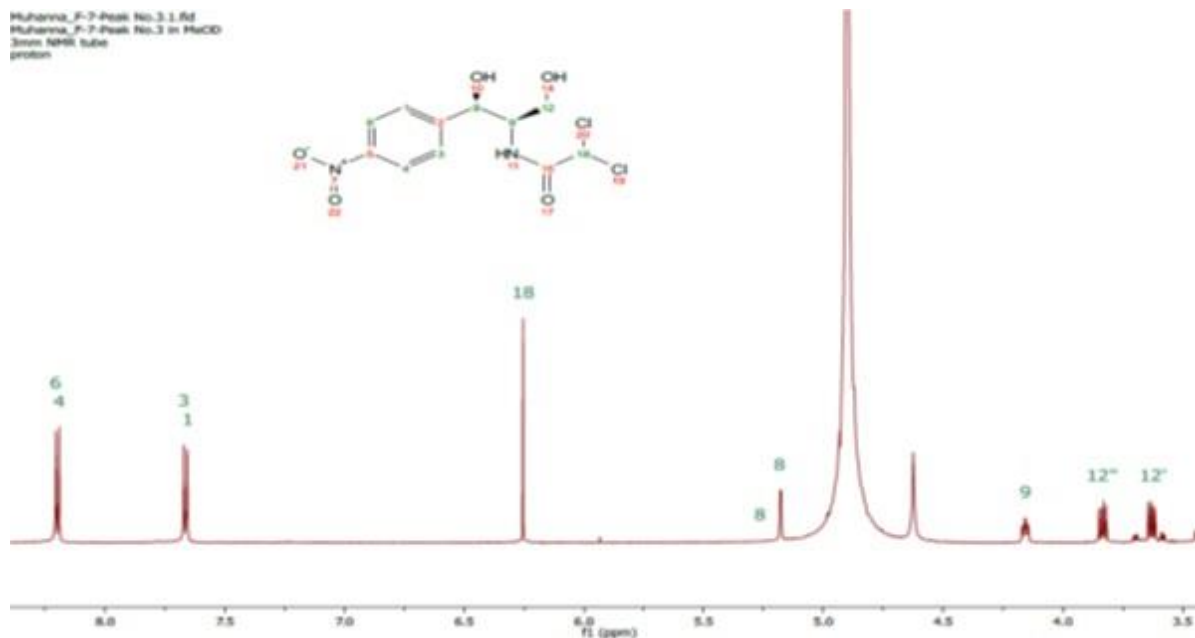


Figure S8. Proton ^1H NMR spectroscopy spectrum of (FVII- F3) identification as CAP.

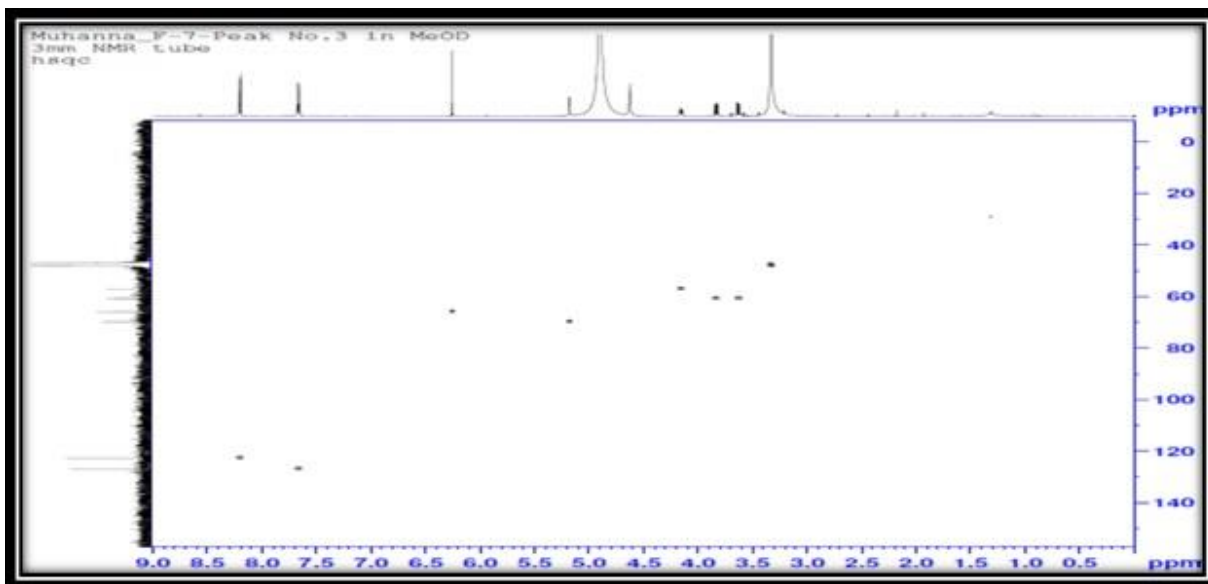


Figure S9. HSQC ^1H - ^{13}C 2D- NMR spectroscopy spectrum of (FVII- F3)

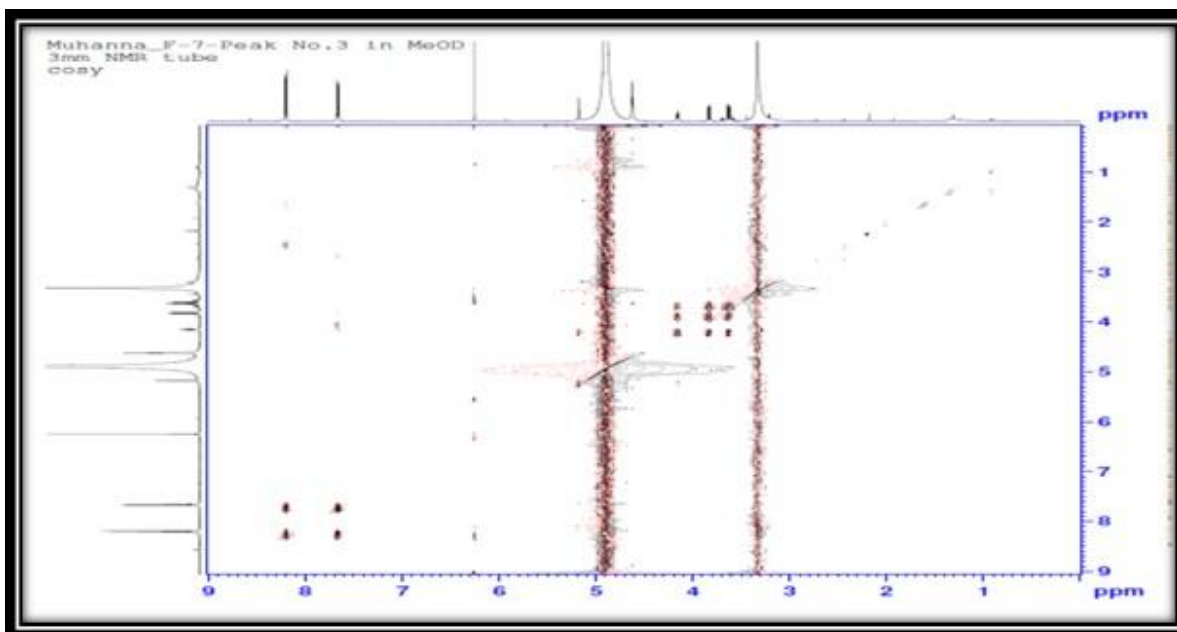


Figure S10. COSY ^1H - ^1H 2D- NMR spectroscopy spectrum of (FVII- F3)

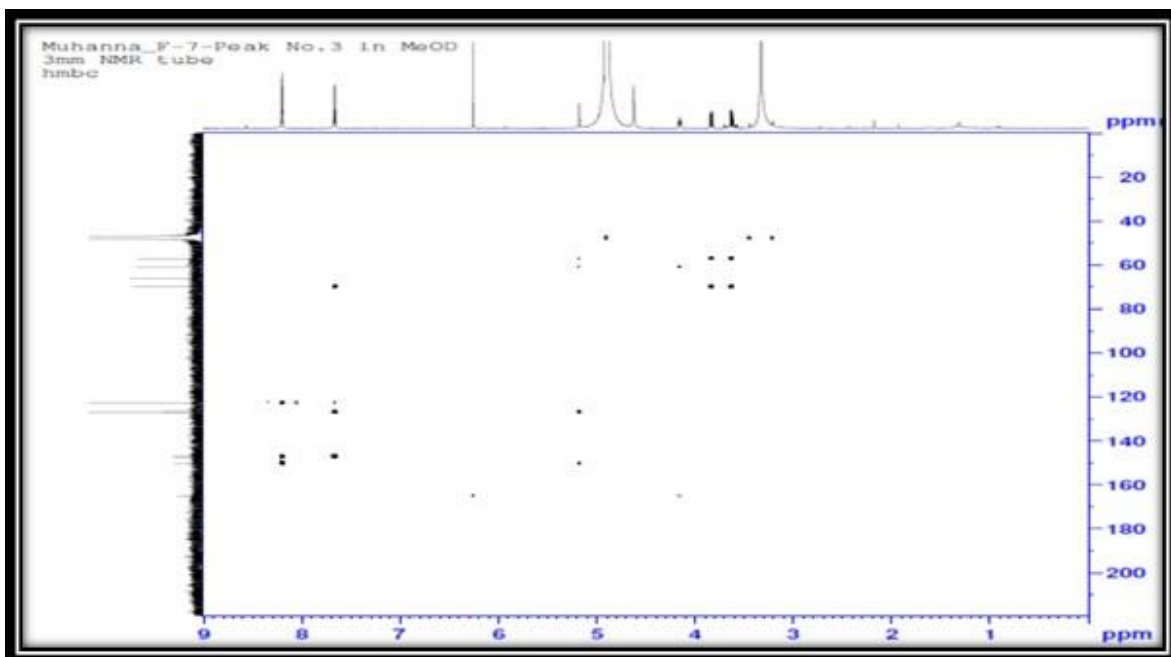


Figure S11. HMBC ^1H - ^{13}C 2D- NMR spectroscopy spectrum of (FVII- F3)

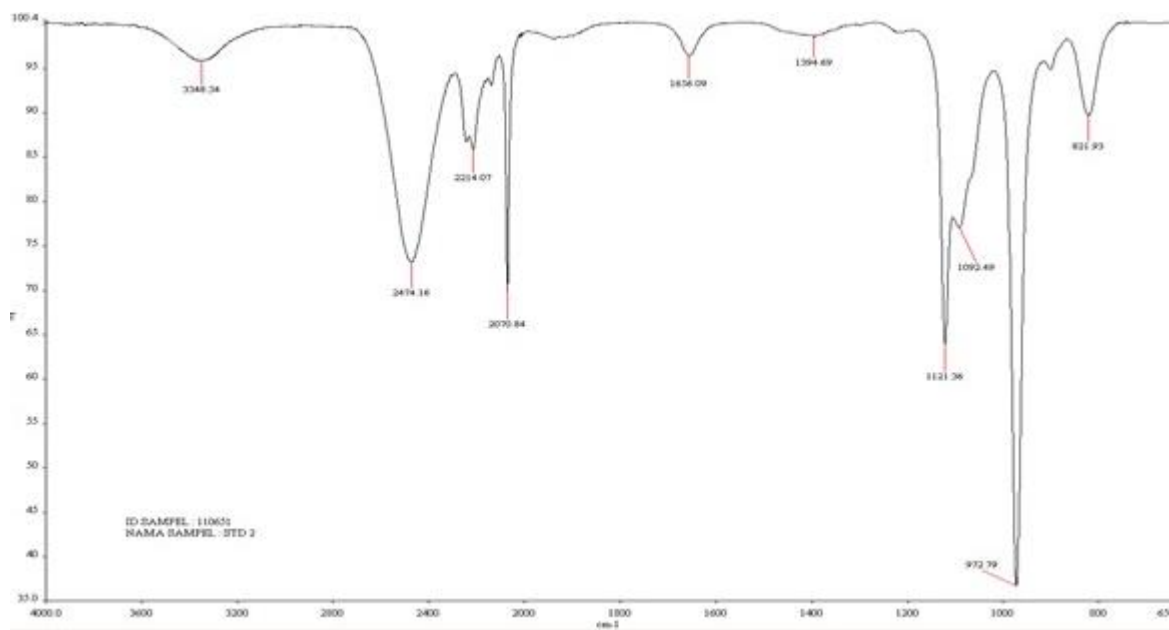


Figure S12. FT- IR spectroscopy spectra of (FVII- F2)

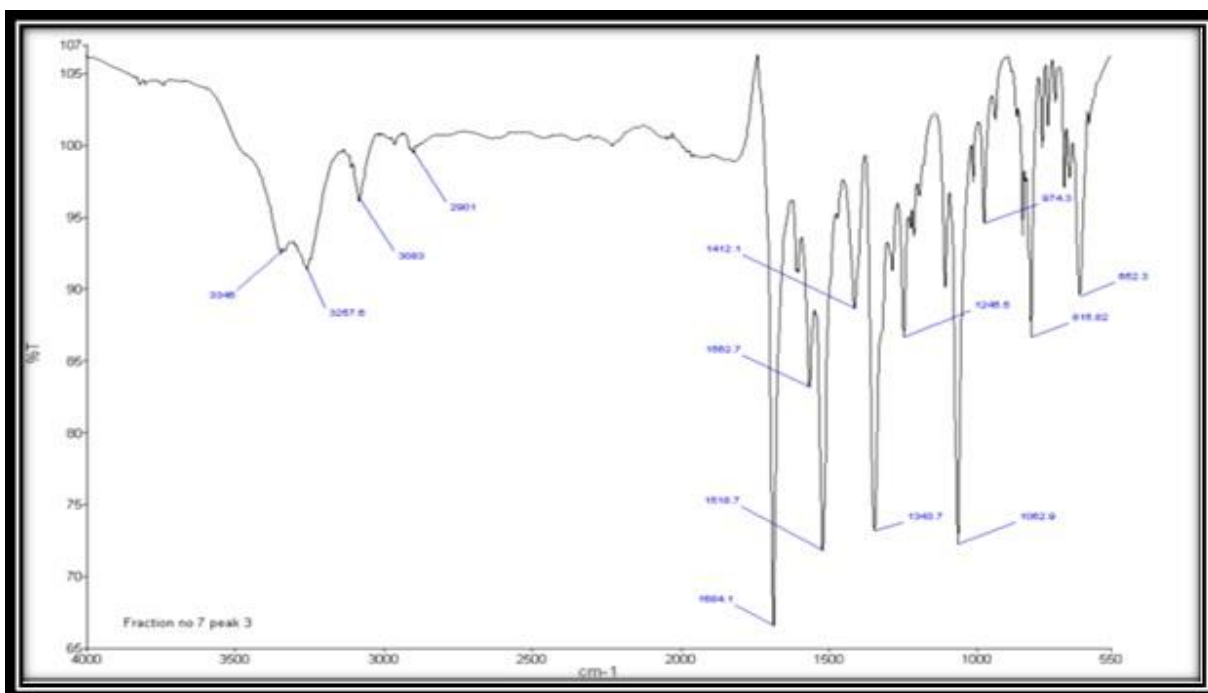


Figure S13. FT- IR spectroscopy spectra of (FVII- F3)

Table S1. The flow rate of PRE- HPLC as in table below.

Time	% Acetonitrile	Flow rate (mL/min)
0	20	0.3
5	20	0.3
10	80	0.3
15	100	0.5
20	100	0.5
30	20	0.3

Table S2. The FTIR spectra data of FVII (F2 & F3) listed in table below which support the proposed structure in the solid state.

Frequency Wave number cm^{-1}	Assignment
3345- 3257	NH ₂ group and O-H stretching
3083	Aromatic C-H stretching
2901	Aromatic C-H stretching
1684	Phenyl group- or carbonyl group
1562	N-O stretch(ArNO ₂)& C-C stretching vibrations
1412	C-H deformations & C-C stretching vibrations
1343	C-H bending
1245	O-H bending
1062	C-O stretch (Primary alcohol)
974	C-N stretch- C - Chlorine
815	Meta di substituted aromatic ring ortho-di substituted aromatic ring due to -H, moving out of plane of the benzene ring
652	C- chlorine bonds