

## Supplementary Information

### Synthesis and structure-activity relationship of 1-[*(E*)-3-phenyl-2-propenyl] piperazine derivatives as suitable antibacterial agents with mild hemolysis

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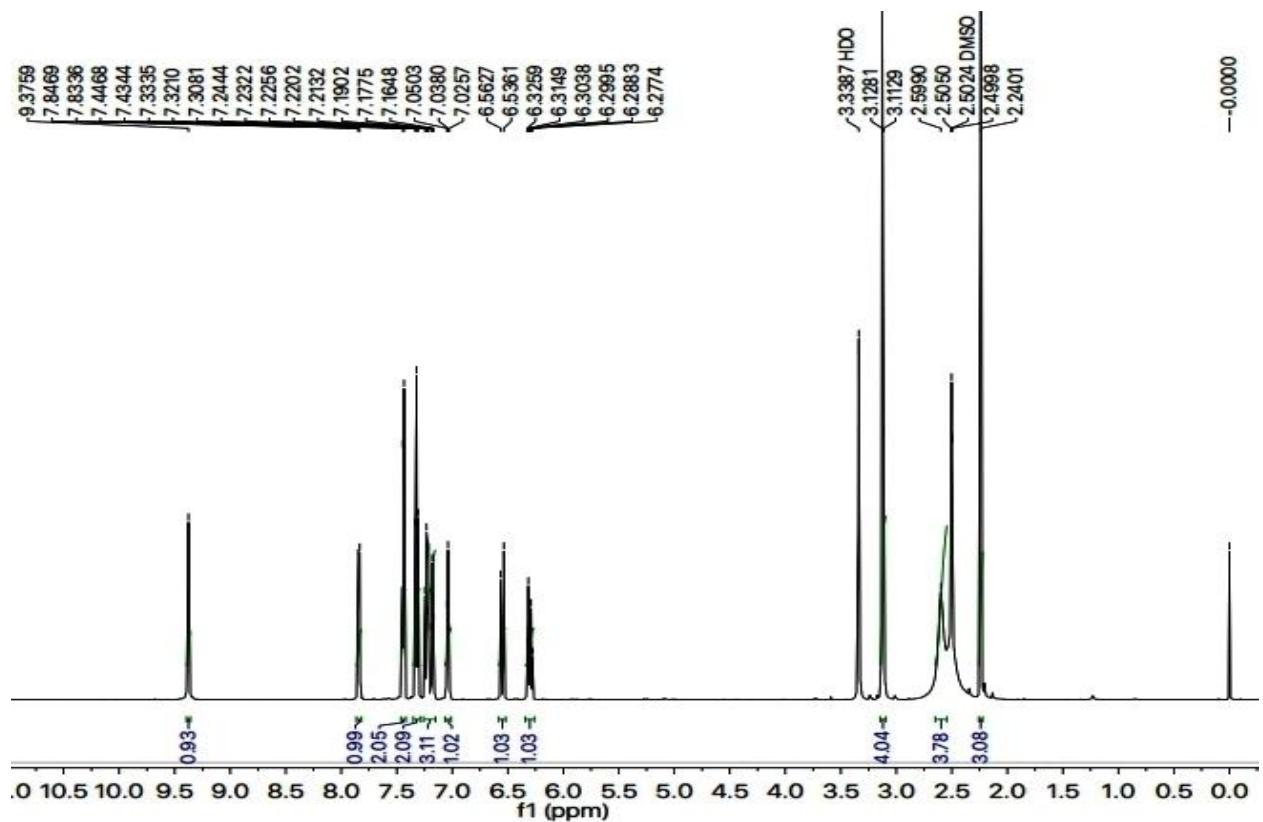
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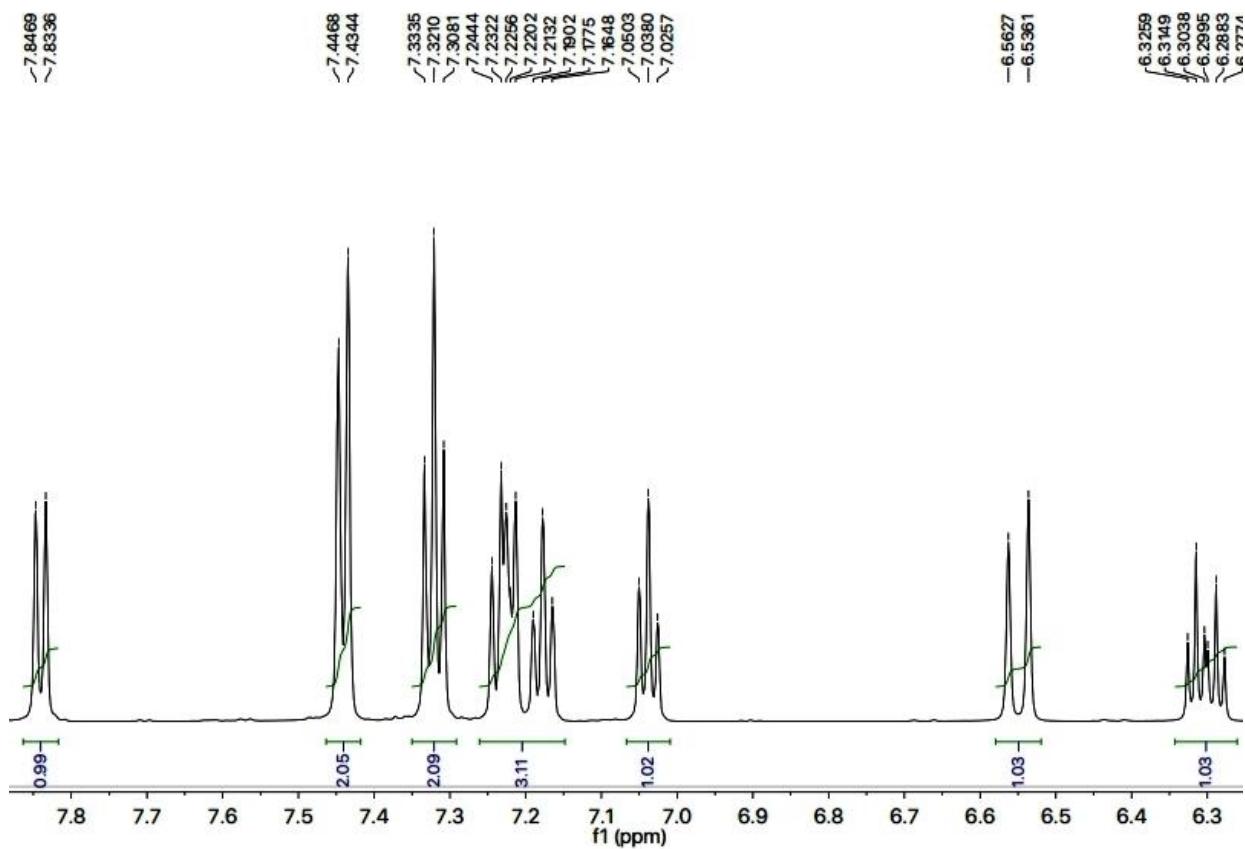
<sup>c</sup> Department of Biochemistry, University of Agriculture, Faisalabad-38040, Pakistan

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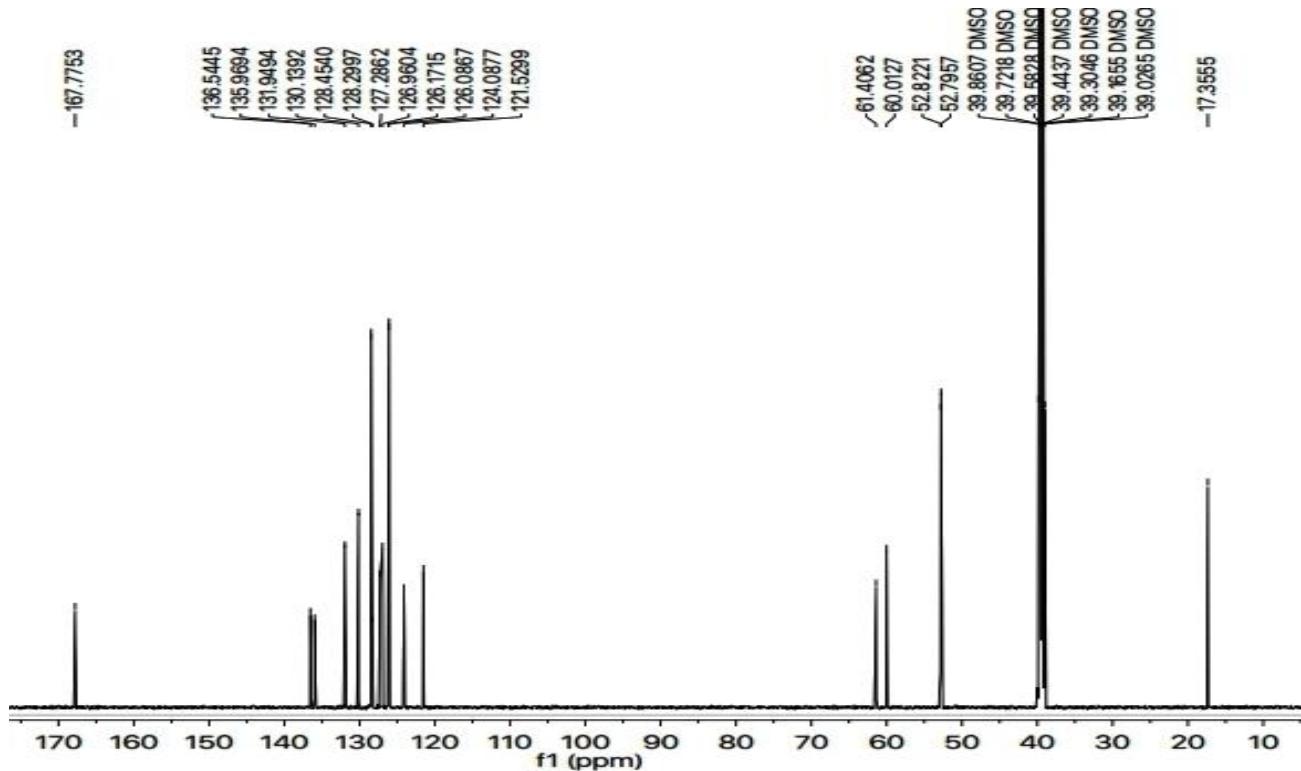
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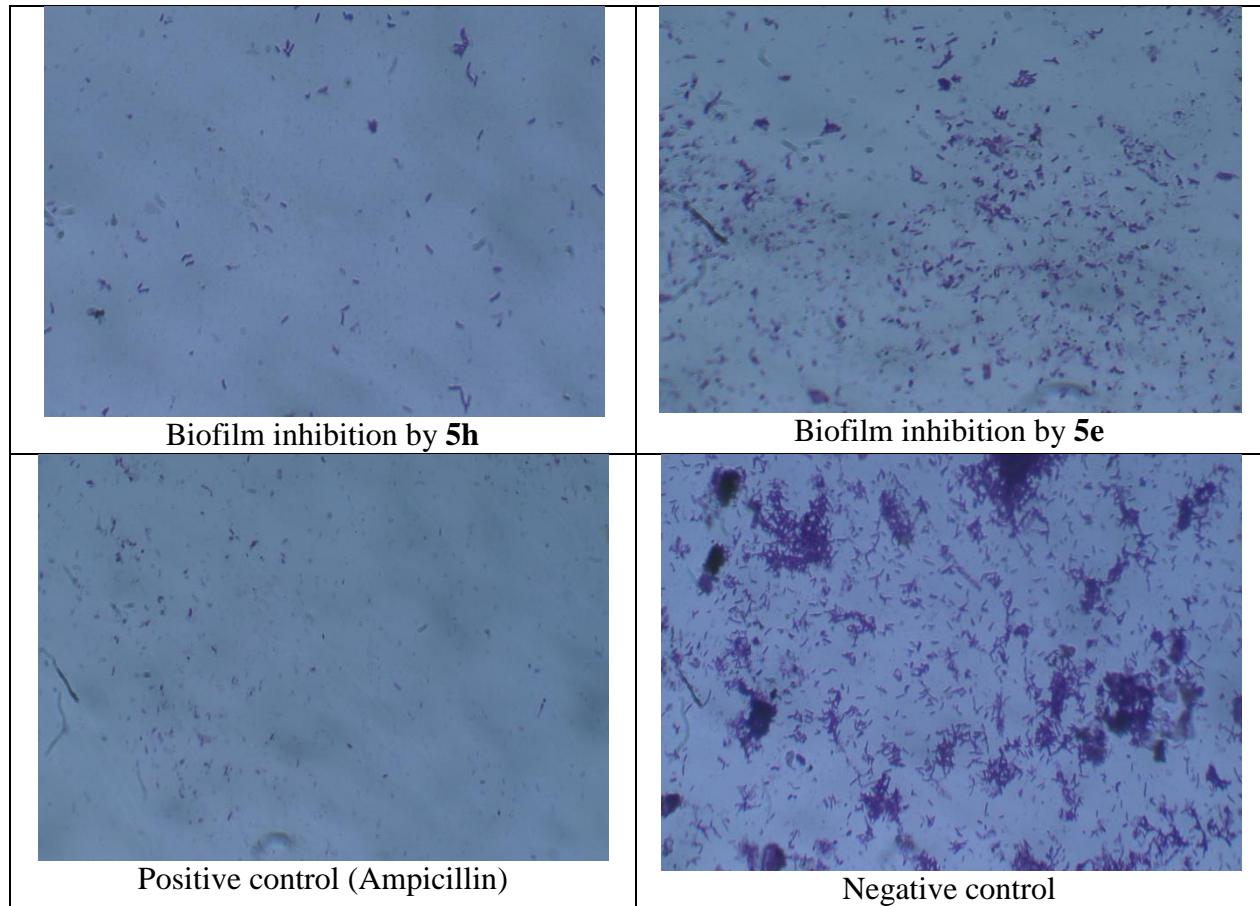
**Fig. S1a:**  $^1\text{H}$ -NMR spectrum of **5b**.



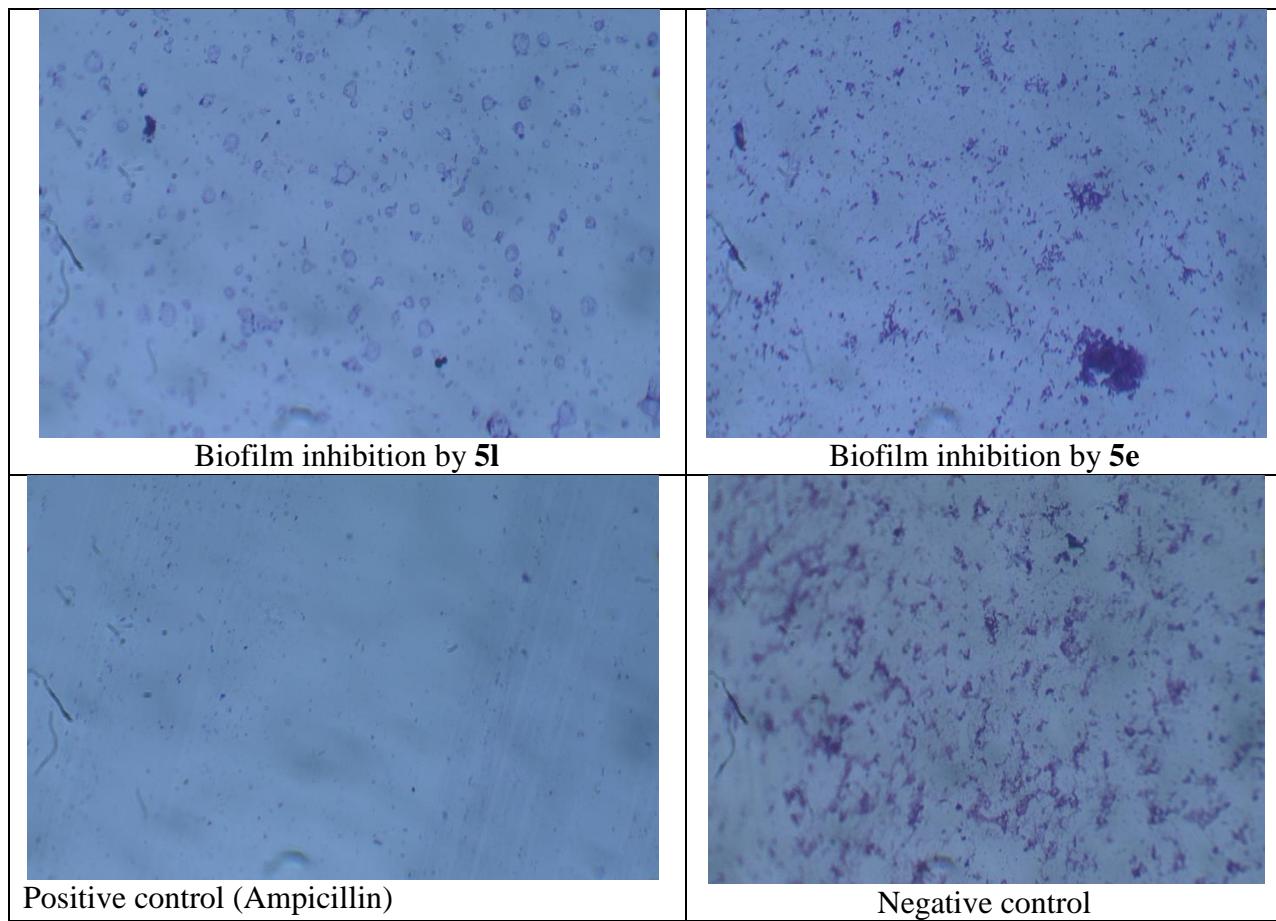
**Fig. S1b:** Expanded aromatic region of  $^1\text{H}$ -NMR spectrum of **5b**.



**Fig. S2:**  $^{13}\text{C}$ -NMR spectrum of **5b**.



**Fig S3:** Phase contrast microscopic view of inhibition of *Bacillus subtilis* biofilm.



**Fig S4:** Phase contrast microscopic view of inhibition of *Escherichia coli* biofilm.