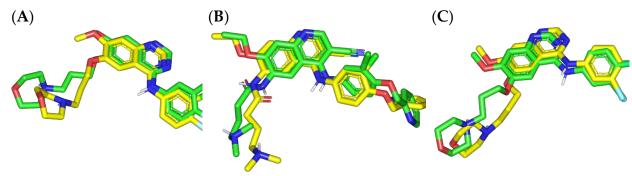
Electronic Supplementary Material (ESI) for New Journal of Chemistry.

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## Supplementary information

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**Figure S1.** Superimposing the co-crystallized (green sticks) and redocked (yellow sticks) ligands at **(A)** EGFR<sup>WT</sup>; **(B)** EGFR<sup>T790M</sup>; **(C)** EGFR<sup>L858R</sup> for validating the adopted docking protocol.

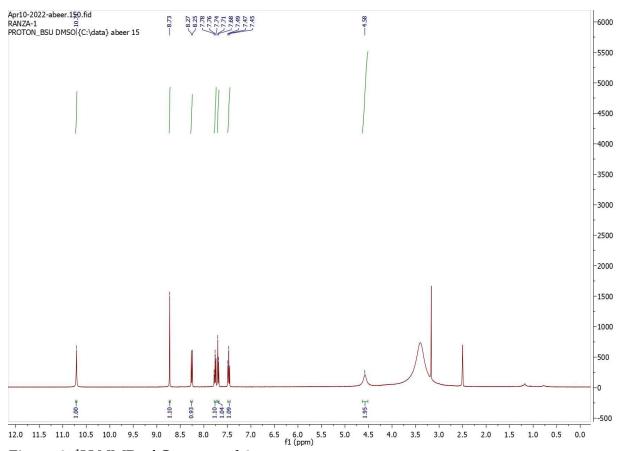


Figure 2.  $^1$ H NMR of Compound 3

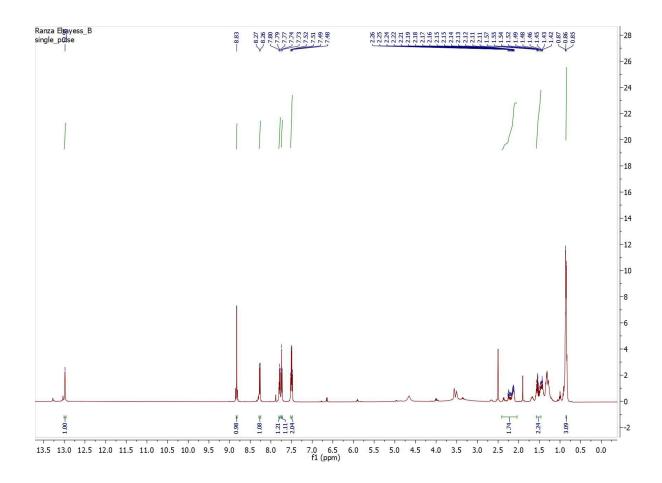


Figure 3.  $^1$ H NMR of Compound 4

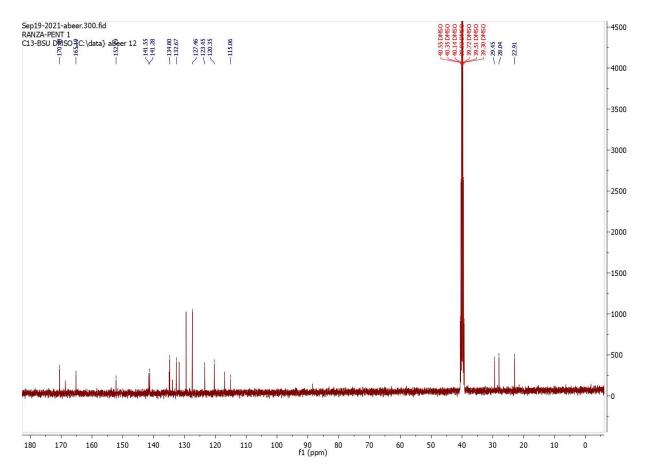


Figure 4.  $^{13}$ C NMR of Compound 4

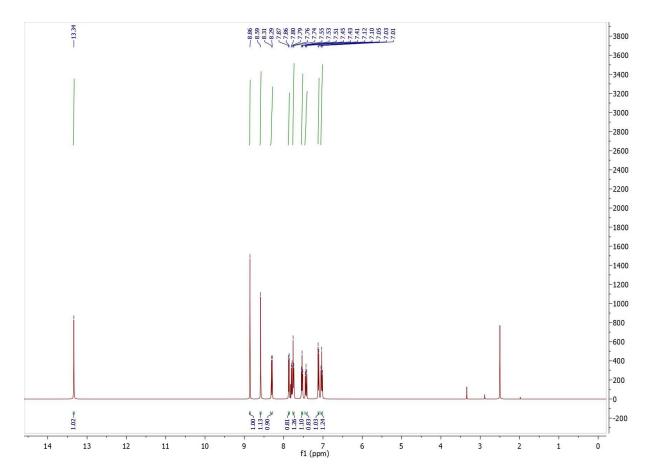


Figure 5.  $^1$ H NMR of Compound 5

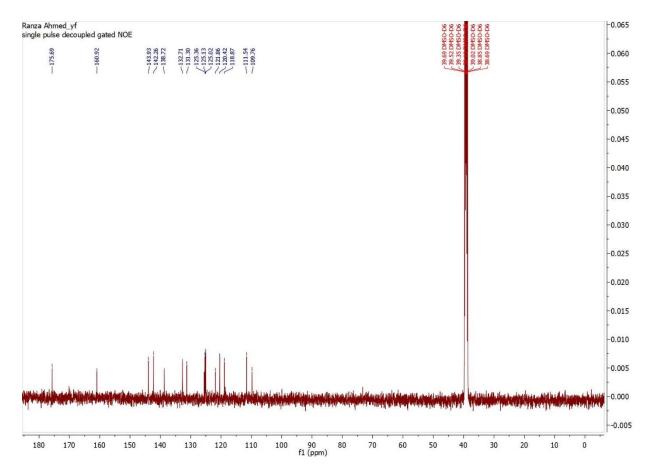


Figure 6. <sup>13</sup>C NMR of Compound 5

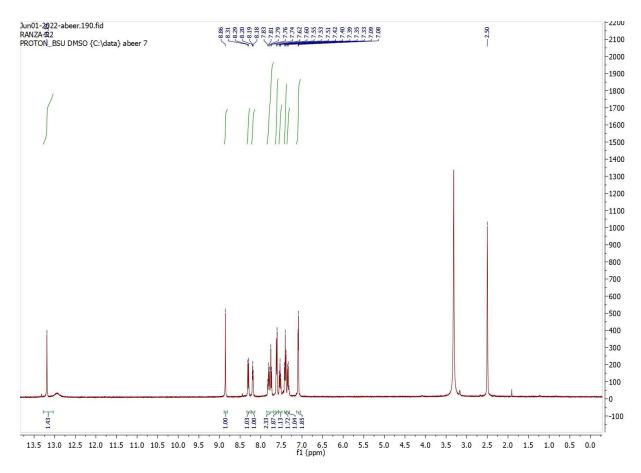


Figure 7. <sup>1</sup>H NMR of Compound 6

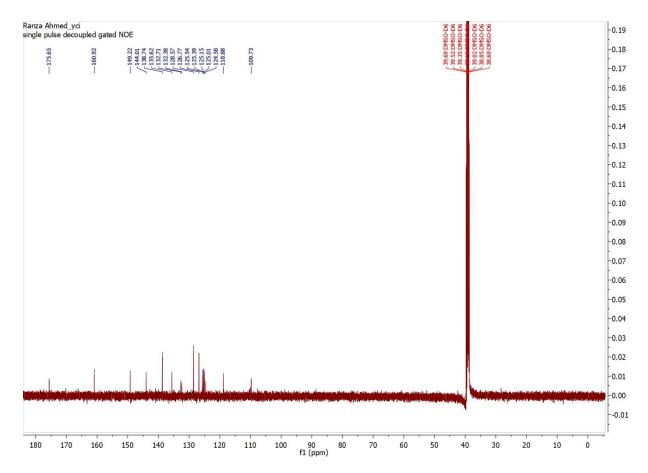


Figure 8. <sup>13</sup>C NMR of Compound 6

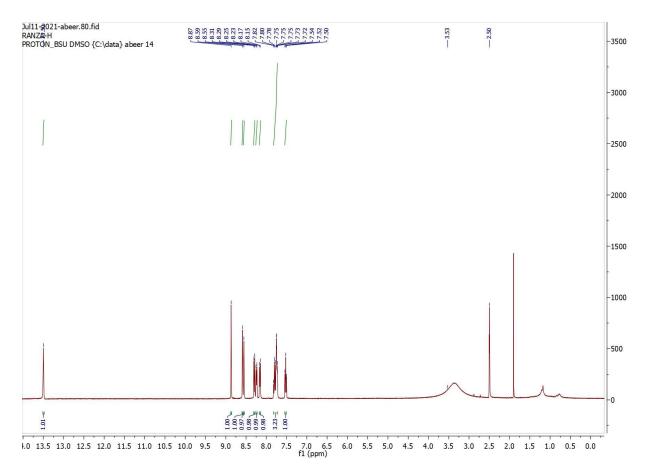


Figure 9.  $^{1}$ H NMR of Compound 7

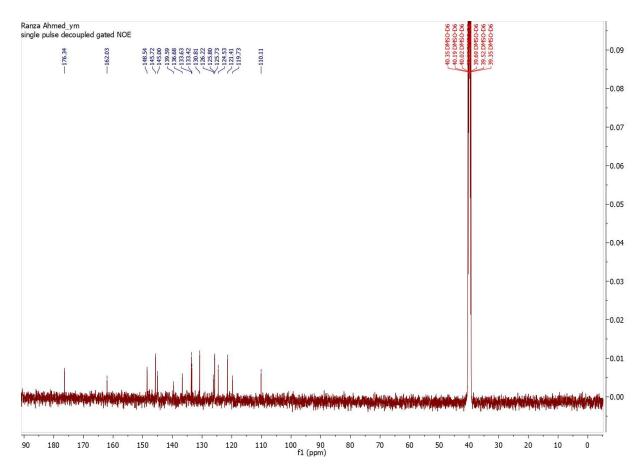


Figure 10. <sup>13</sup>C NMR of Compound 7

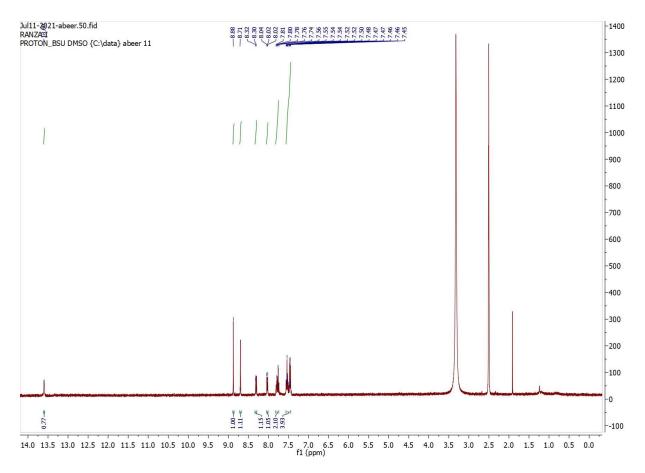


Figure 11. <sup>1</sup>H NMR of Compound 9

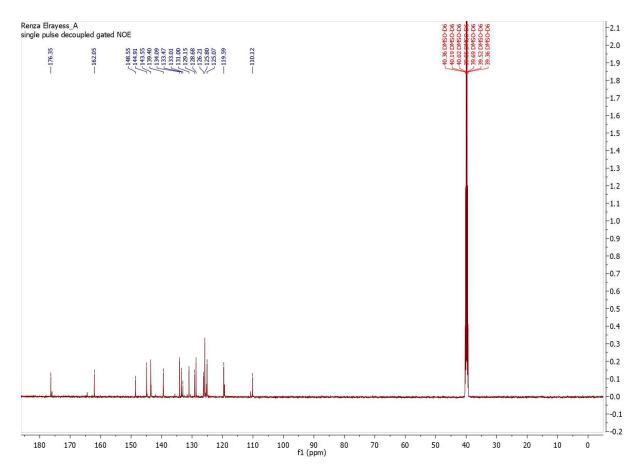


Figure 12. <sup>13</sup>C NMR of Compound 9

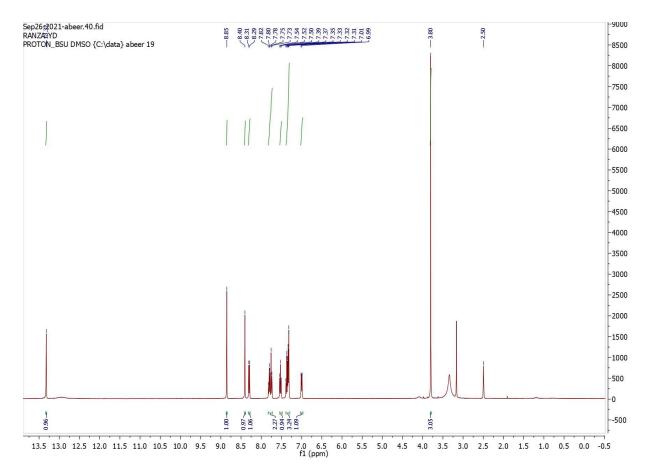


Figure 13. <sup>1</sup>H NMR of Compound 11

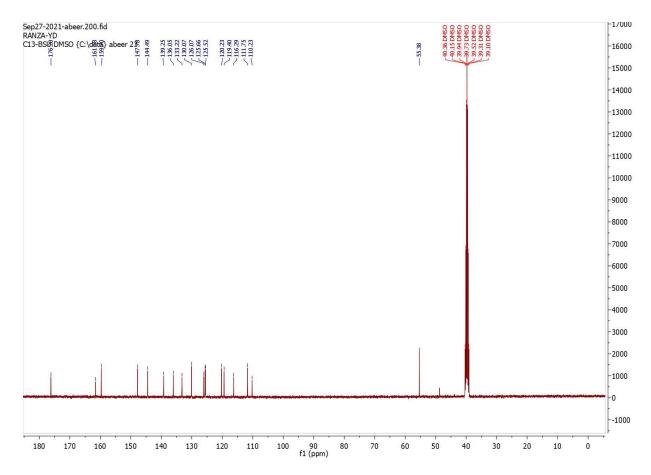


Figure 14. <sup>13</sup>C NMR of Compound 11

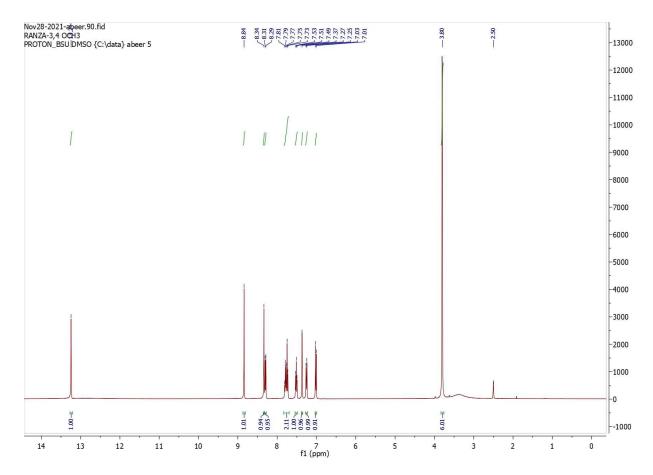


Figure 15. <sup>1</sup>H NMR of Compound 13

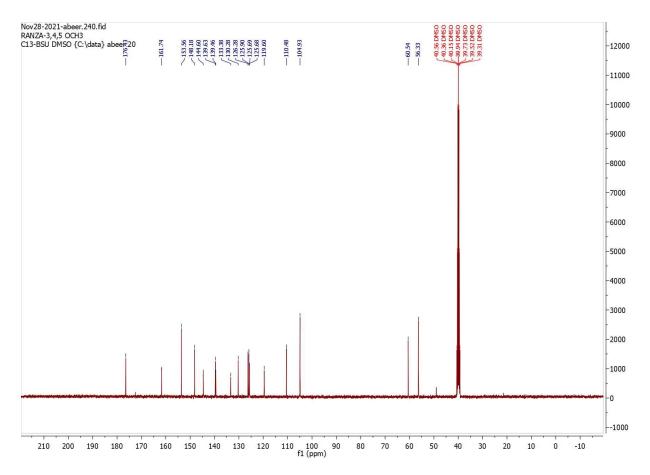


Figure 16. <sup>13</sup>C NMR of Compound 13

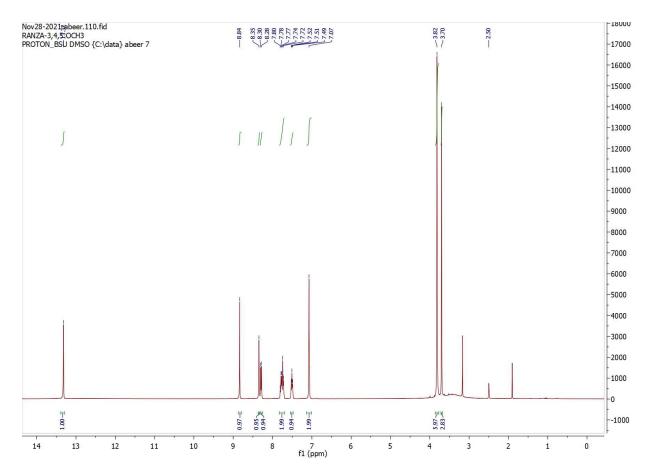


Figure 17. <sup>1</sup>H NMR of Compound 14

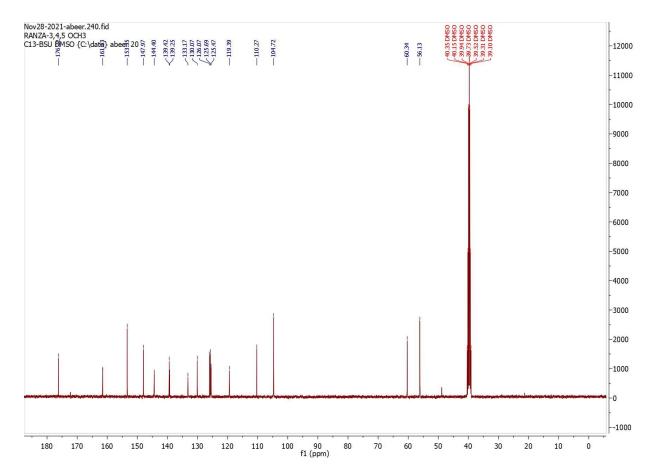


Figure 18. <sup>13</sup>C NMR of Compound 14

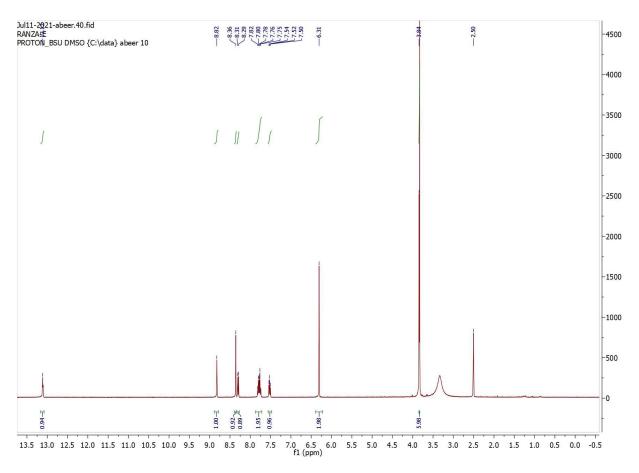


Figure 19. <sup>1</sup>H NMR of Compound 15

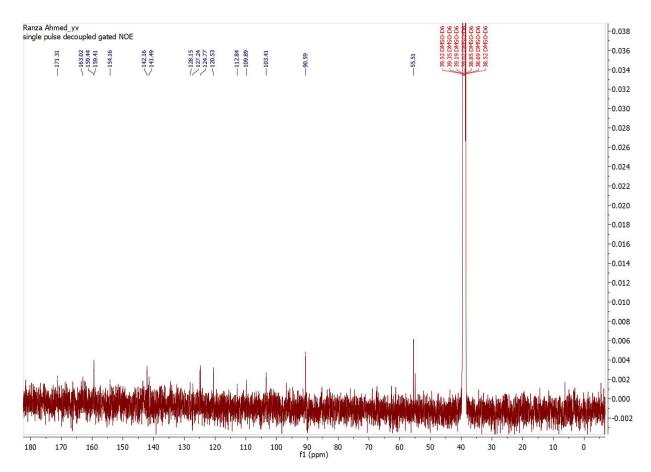


Figure 20.  $^{13}$ C NMR of Compound 15

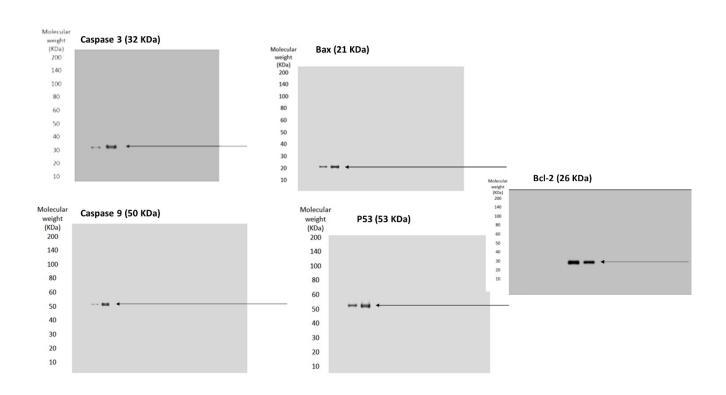


Figure 21. Western blotting images for the tested proteins

