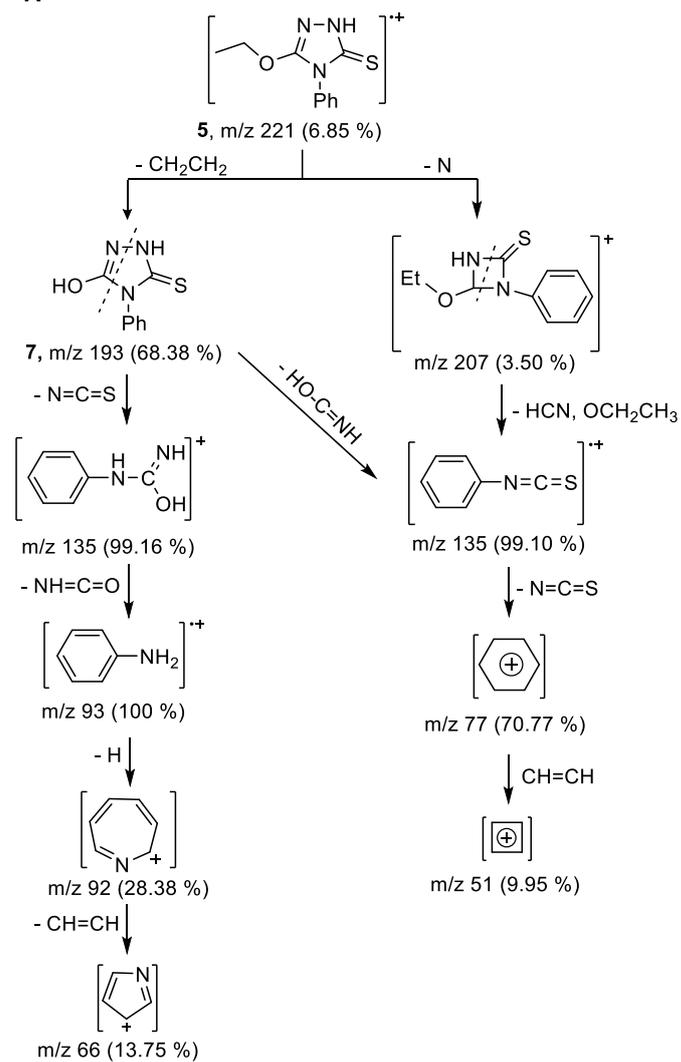
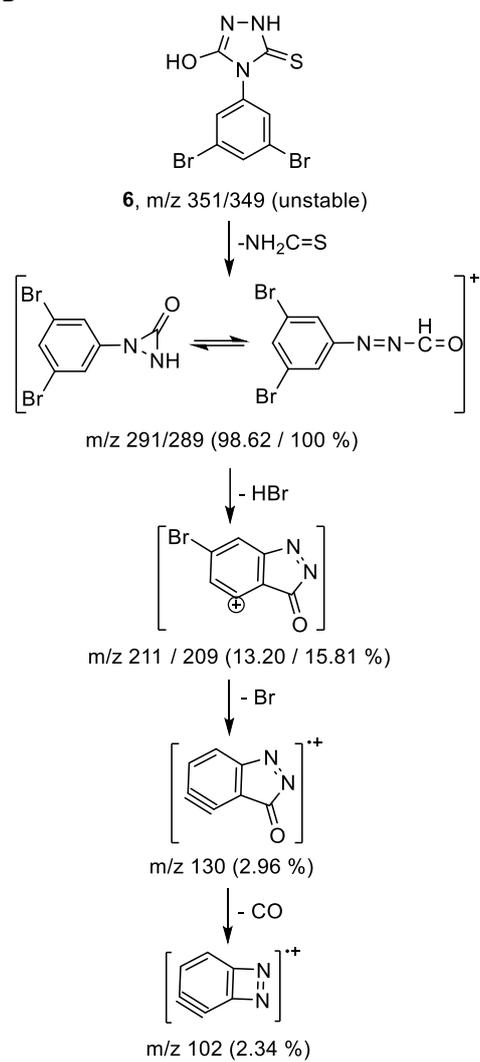


Supporting Information

A**B**

Scheme S1: The mass fragmentation pattern of compounds **5-7**.

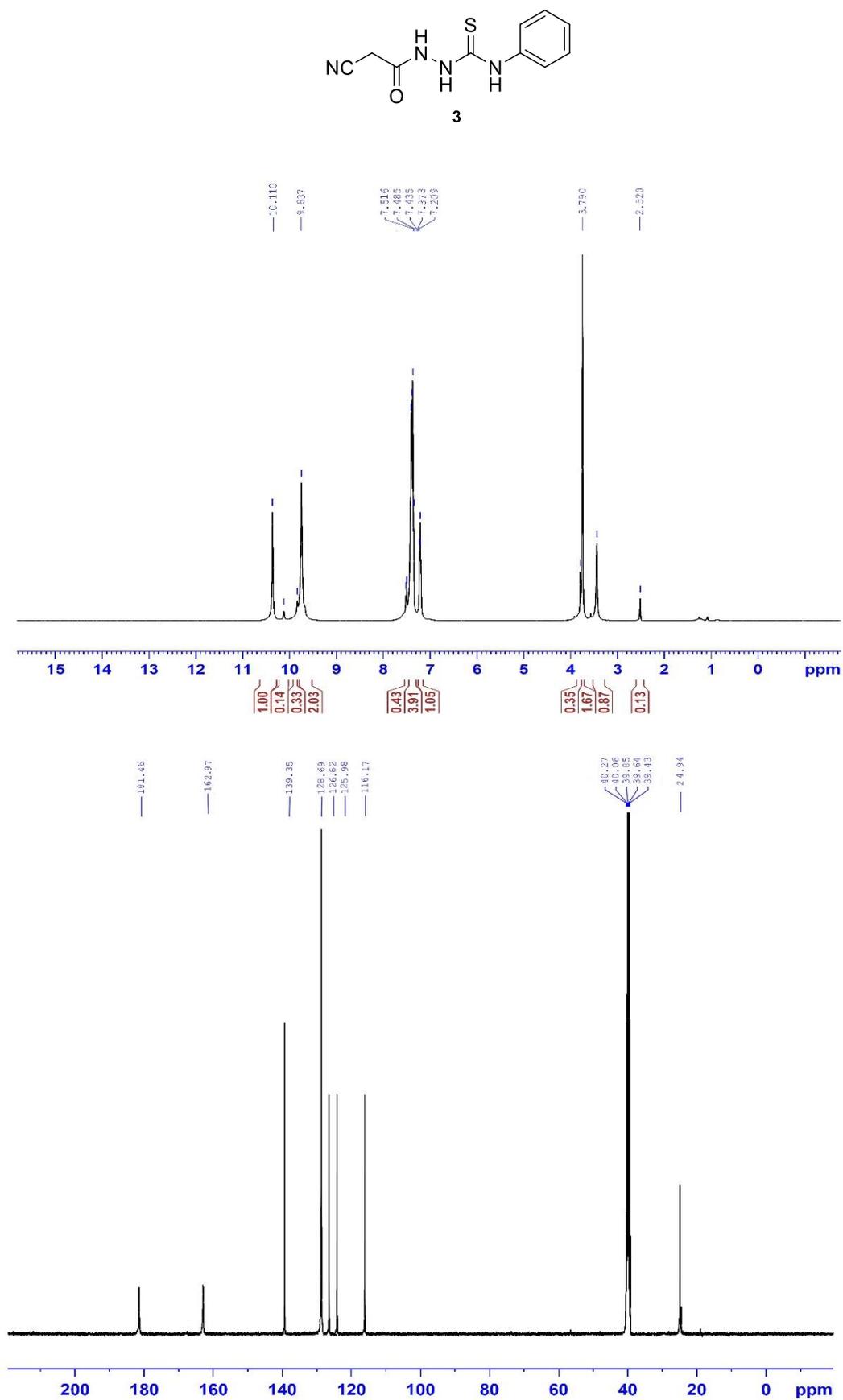


Figure S2: The ^1H - and ^{13}C -NMR analysis of compounds **3**.

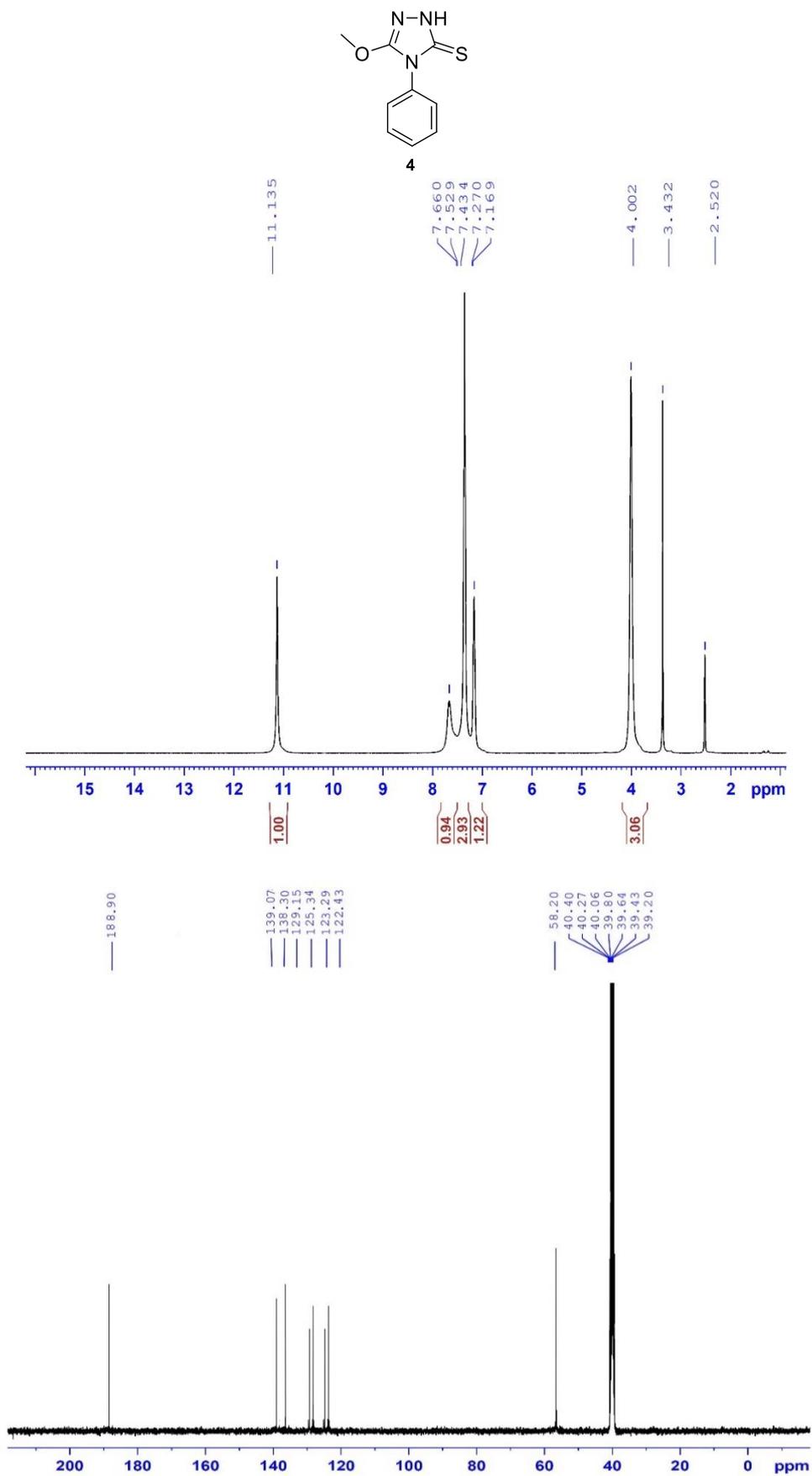
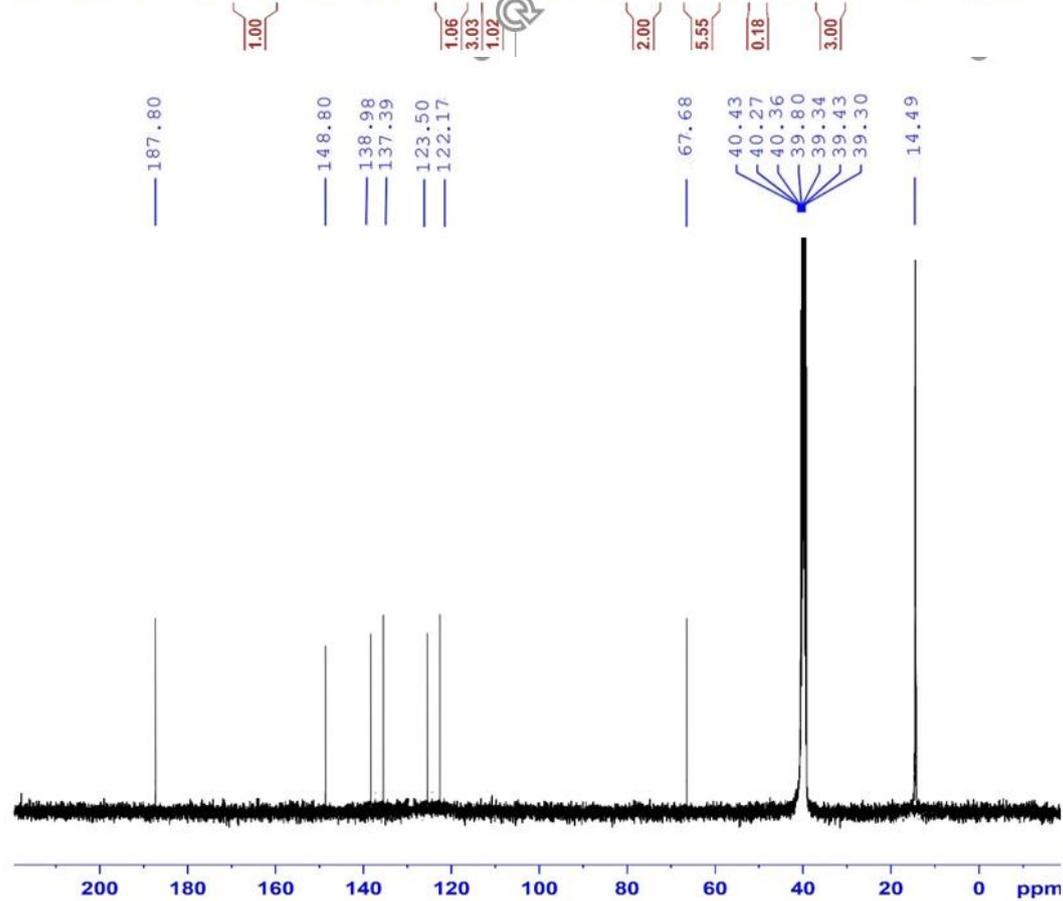
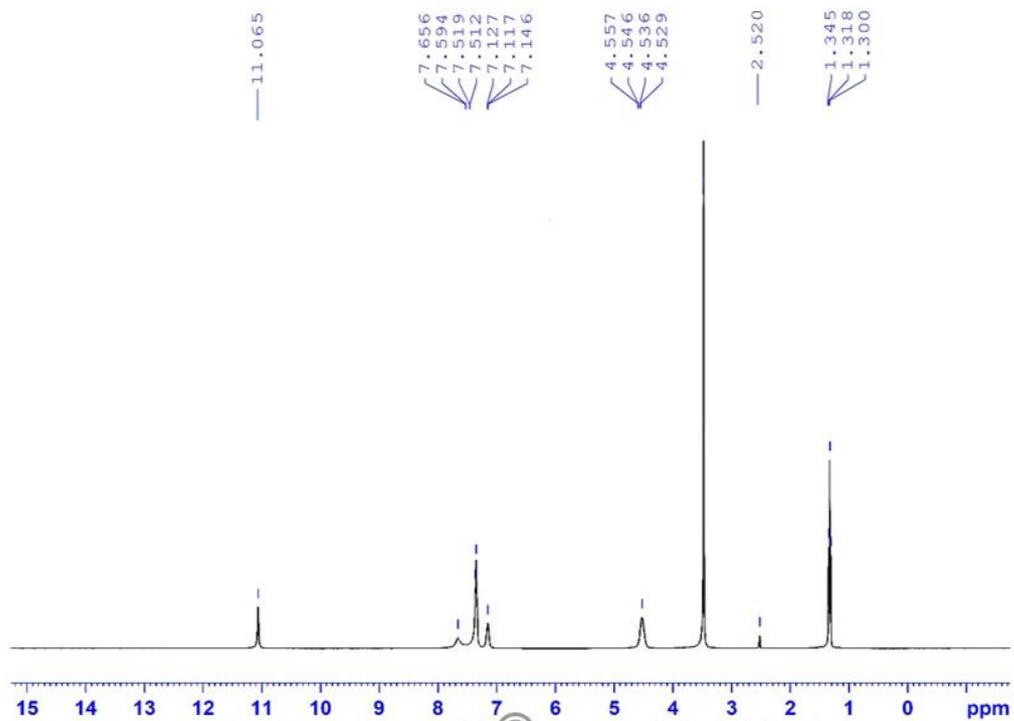
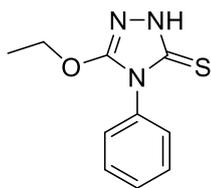


Figure S3: The ^1H - and ^{13}C - NMR analysis of compounds 4.



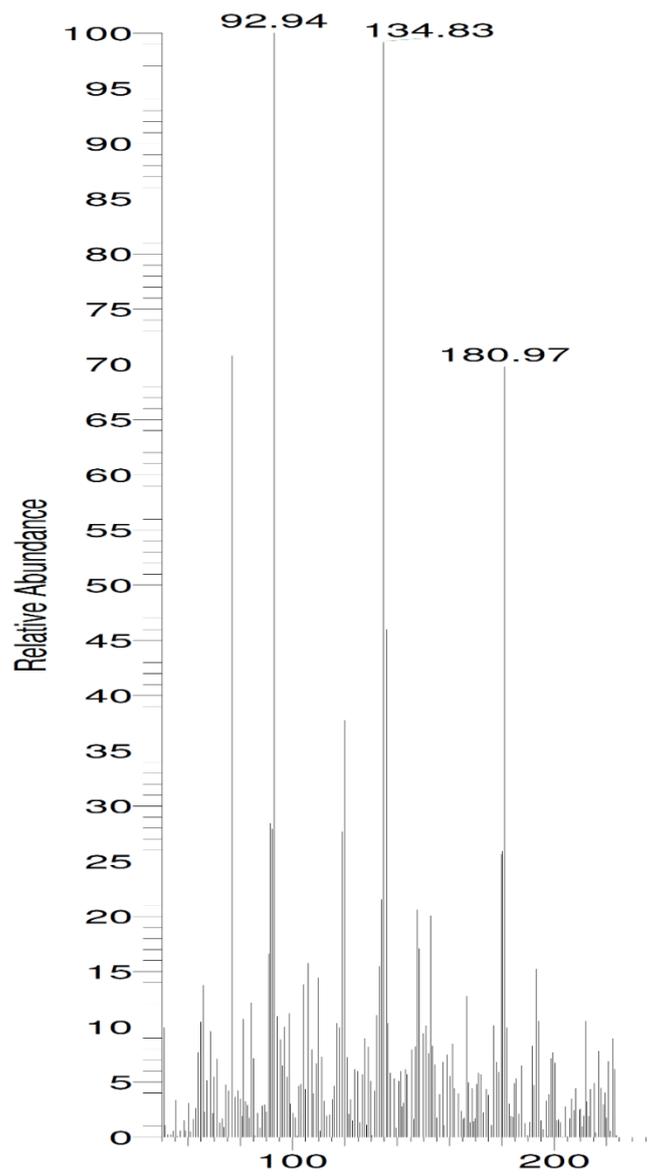
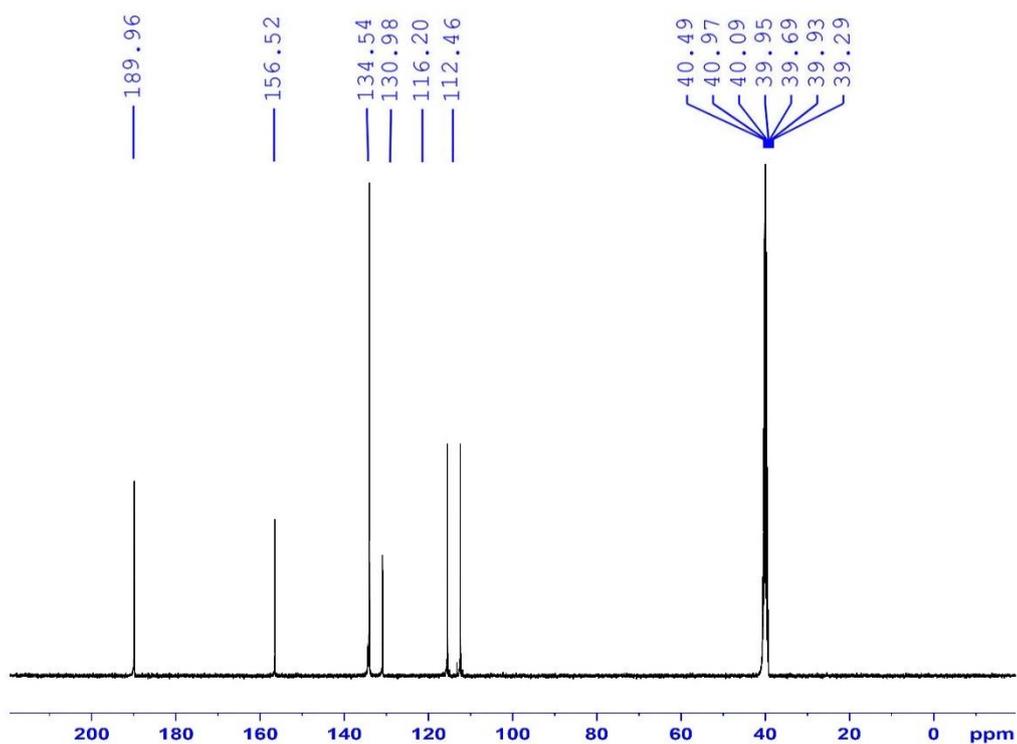
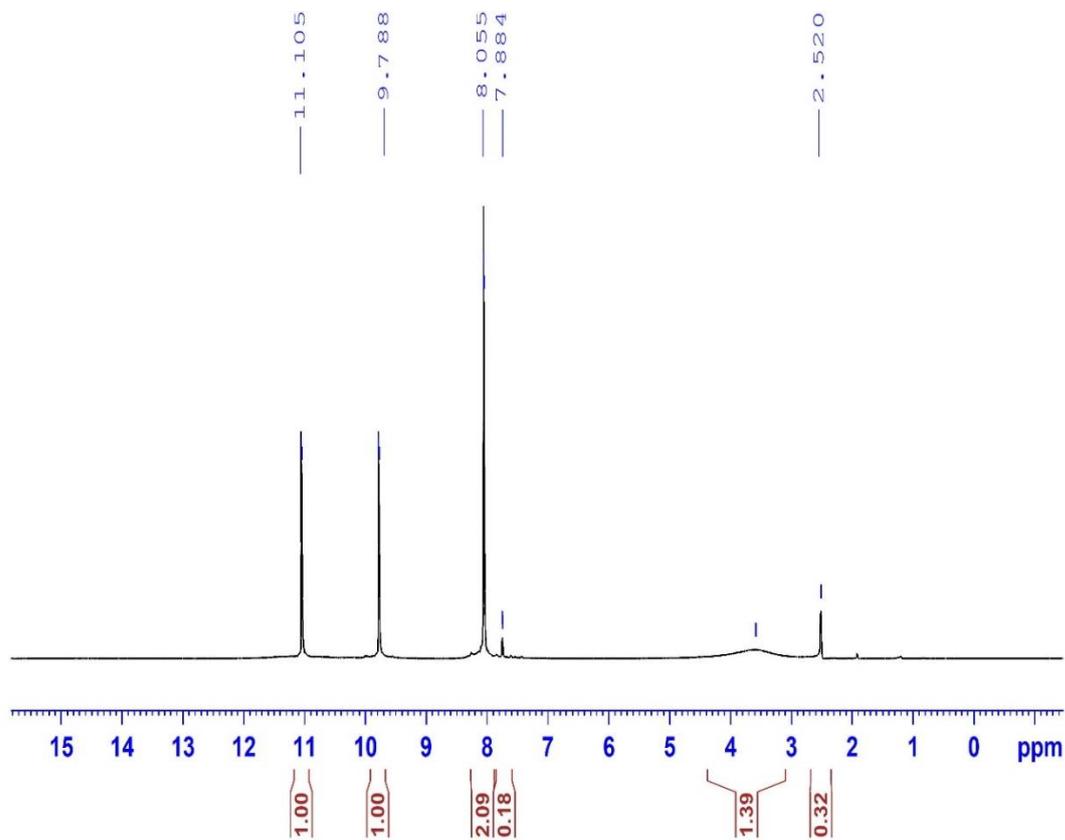
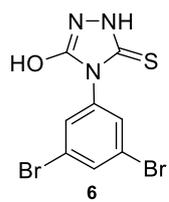


Figure S4: The ^1H -, ^{13}C - NMR and mass analysis of compounds **5**.



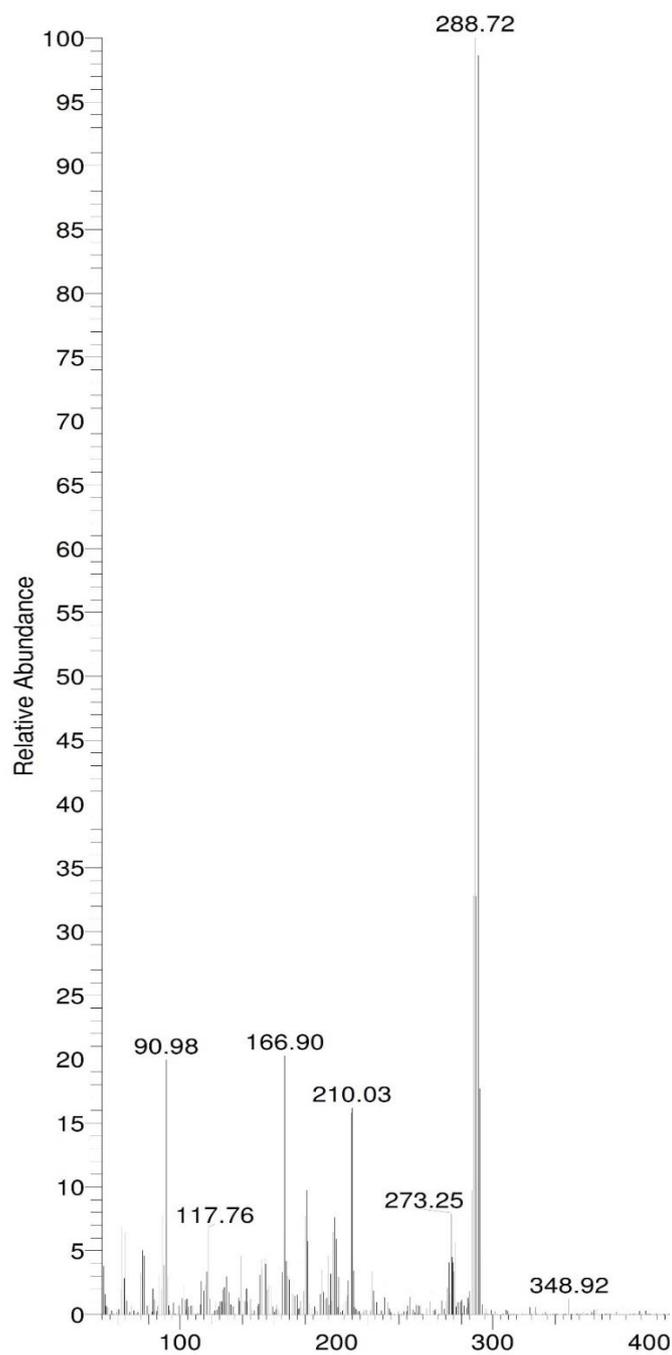


Figure S5: The ^1H - ^{13}C - NMR and mass analysis of compounds **6**.

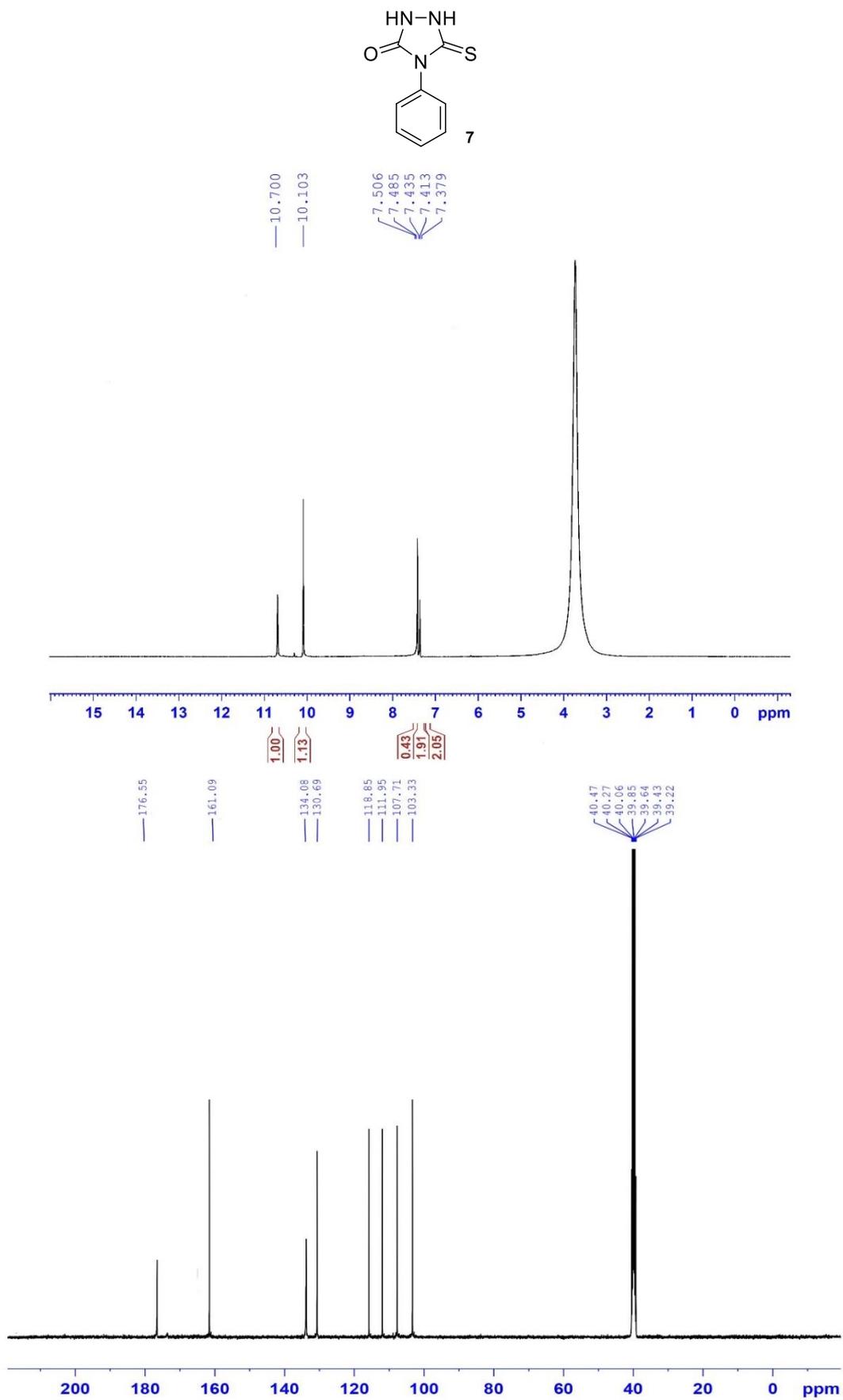
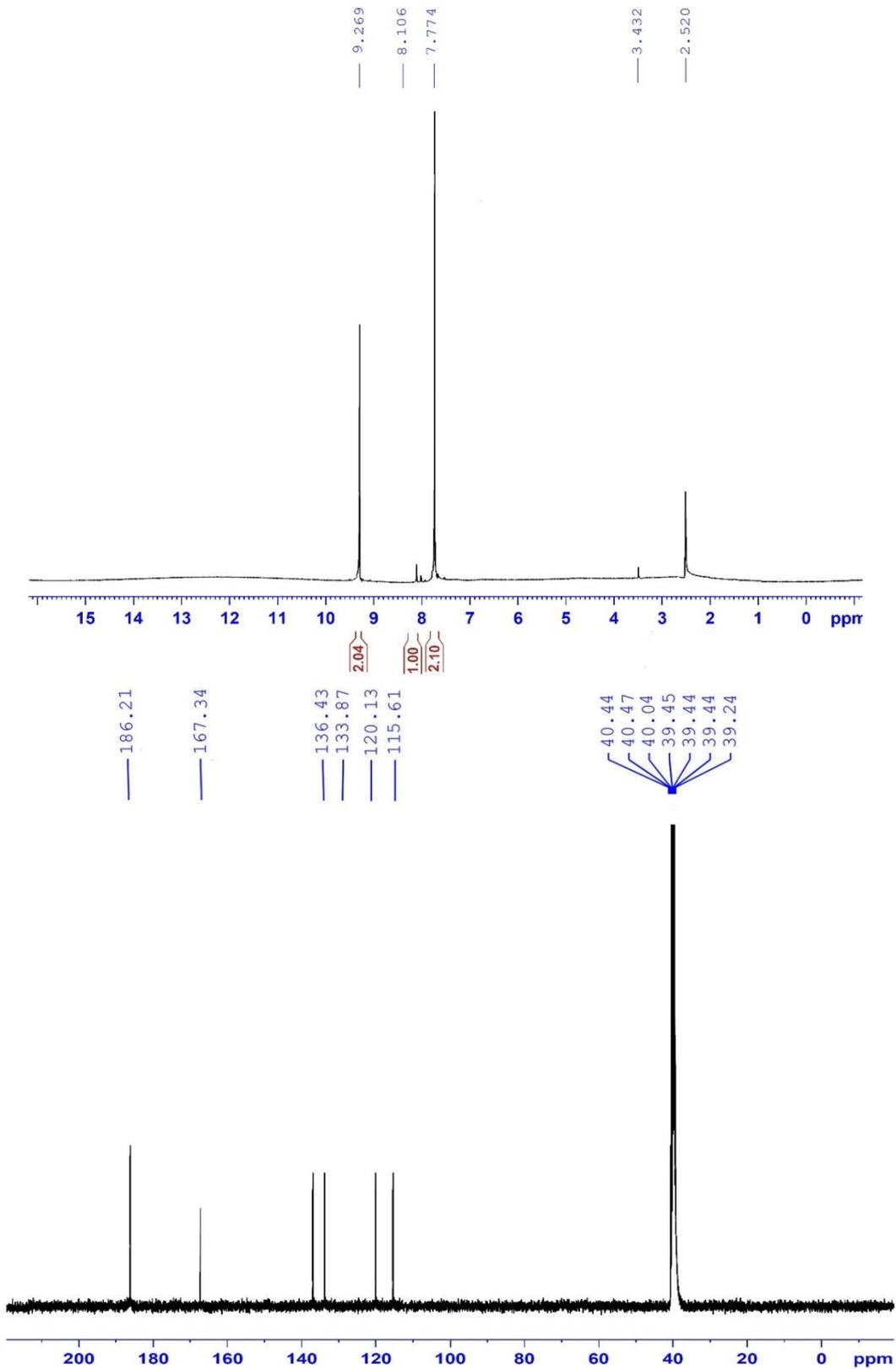
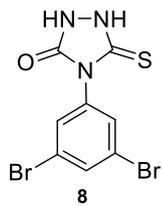


Figure S6: The ¹H- and ¹³C- NMR analysis of compounds **7**.



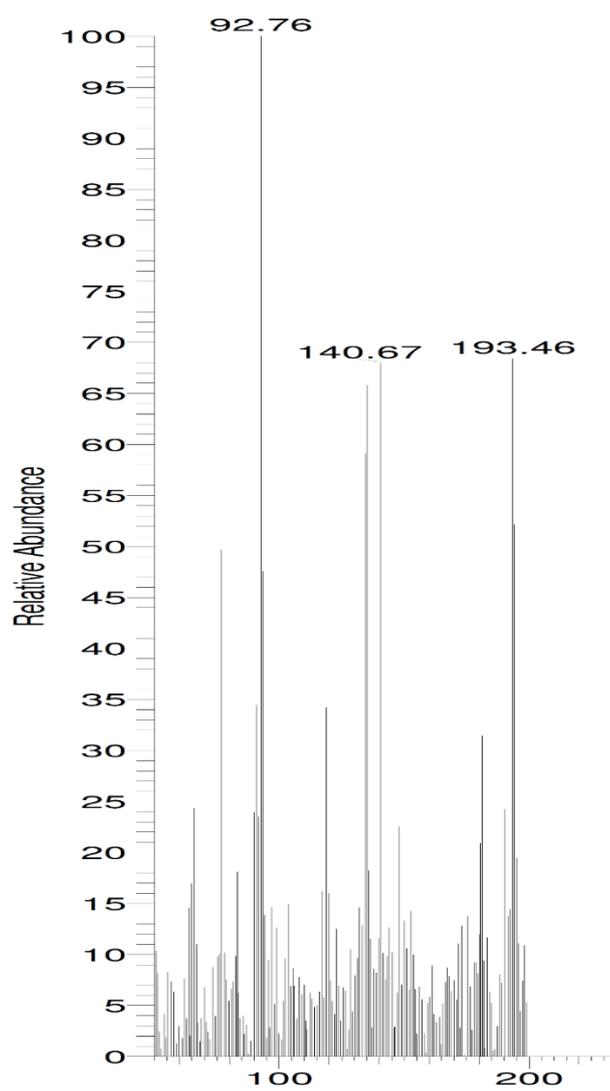


Figure S7: The ^1H -, ^{13}C - NMR and mass analysis of compounds **8**.

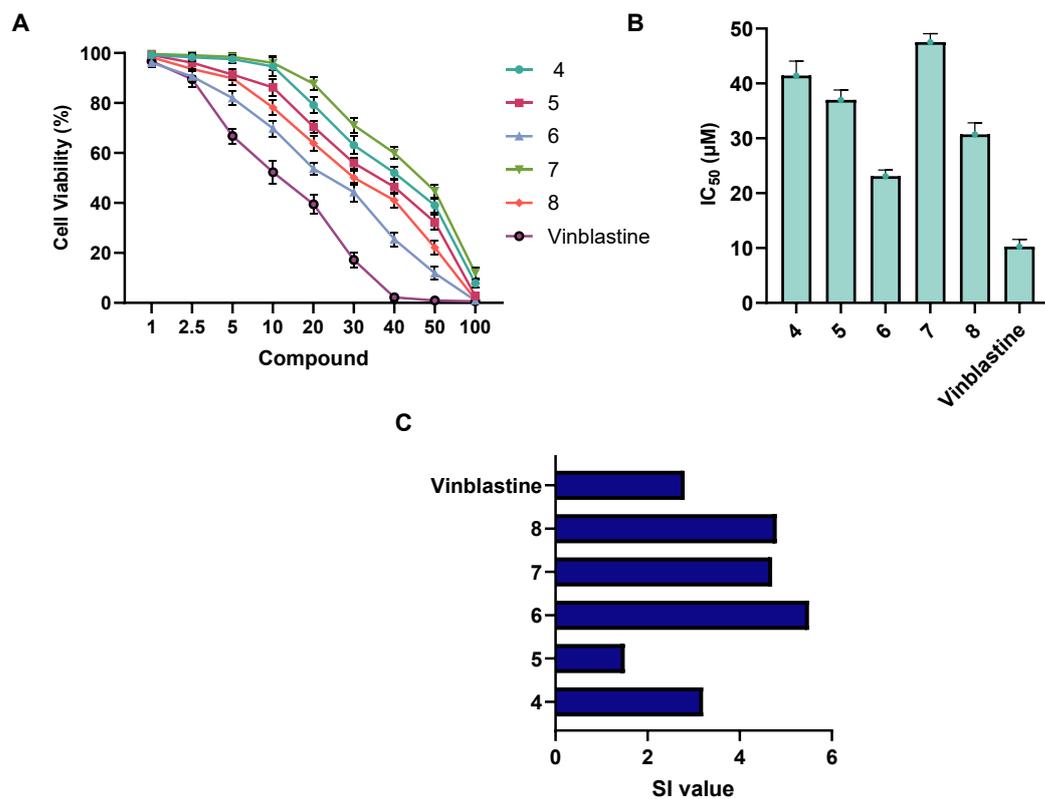
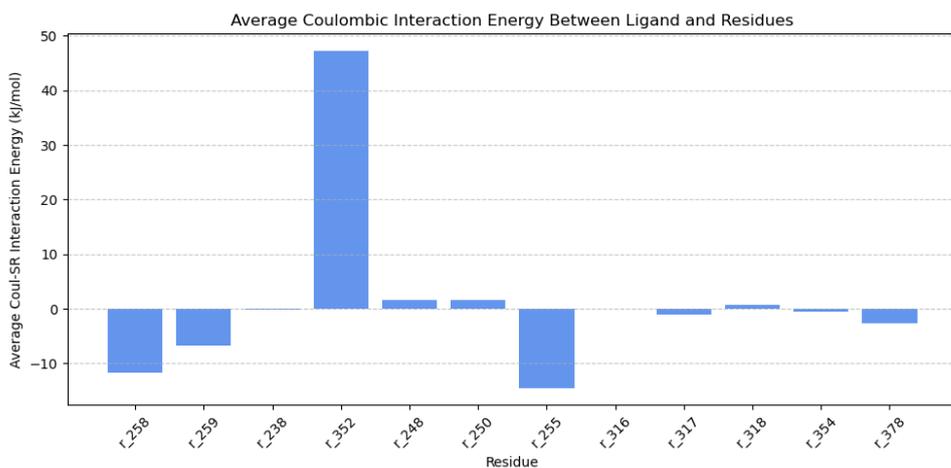
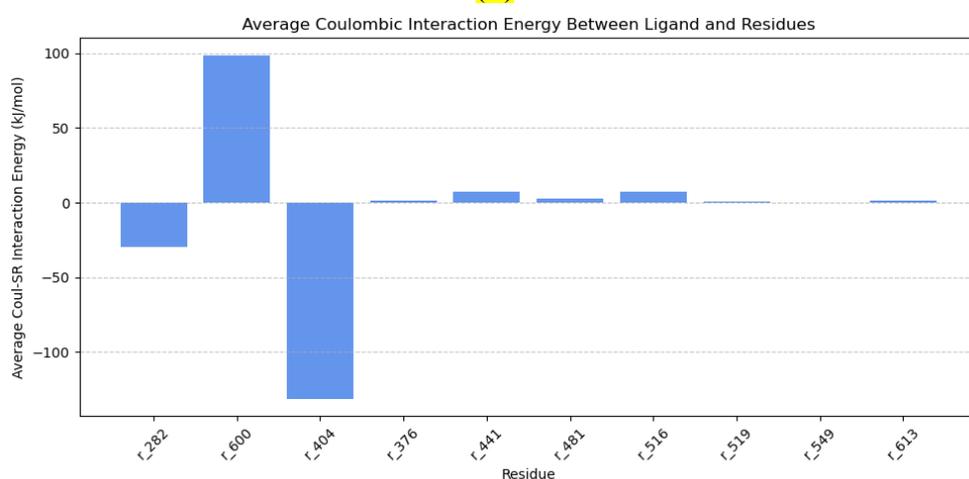


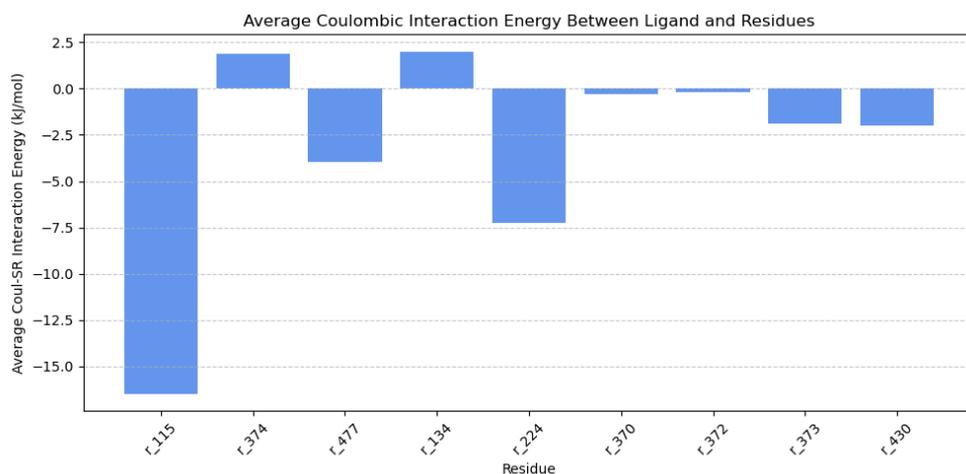
Figure S8. The cytotoxic activity of compounds **4-8** and vinblastine toward the cell viability of MCF-10A cells. **(A)** The dose-dependent activity of compounds **4-8** and vinblastine toward MCF-10A cells. **(B)** The IC₅₀ values of of compounds **4-8** and vinblastine toward MCF-10A cells. **(C)** The selectivity index values of compounds **4-8** and vinblastine toward MCF-7 as compared to MCF-10A cells. The presented data is displayed as mean \pm SD, n = 3.



(A)



(B)



(C)

Figure S9. Average coulombic interaction energy calculated between compound 6 and each pocket residues; tubulin (A), α -glucosidase (B), and aromatase cytochrome P450 (C) calculated during the 100 ns of MD trajectories.