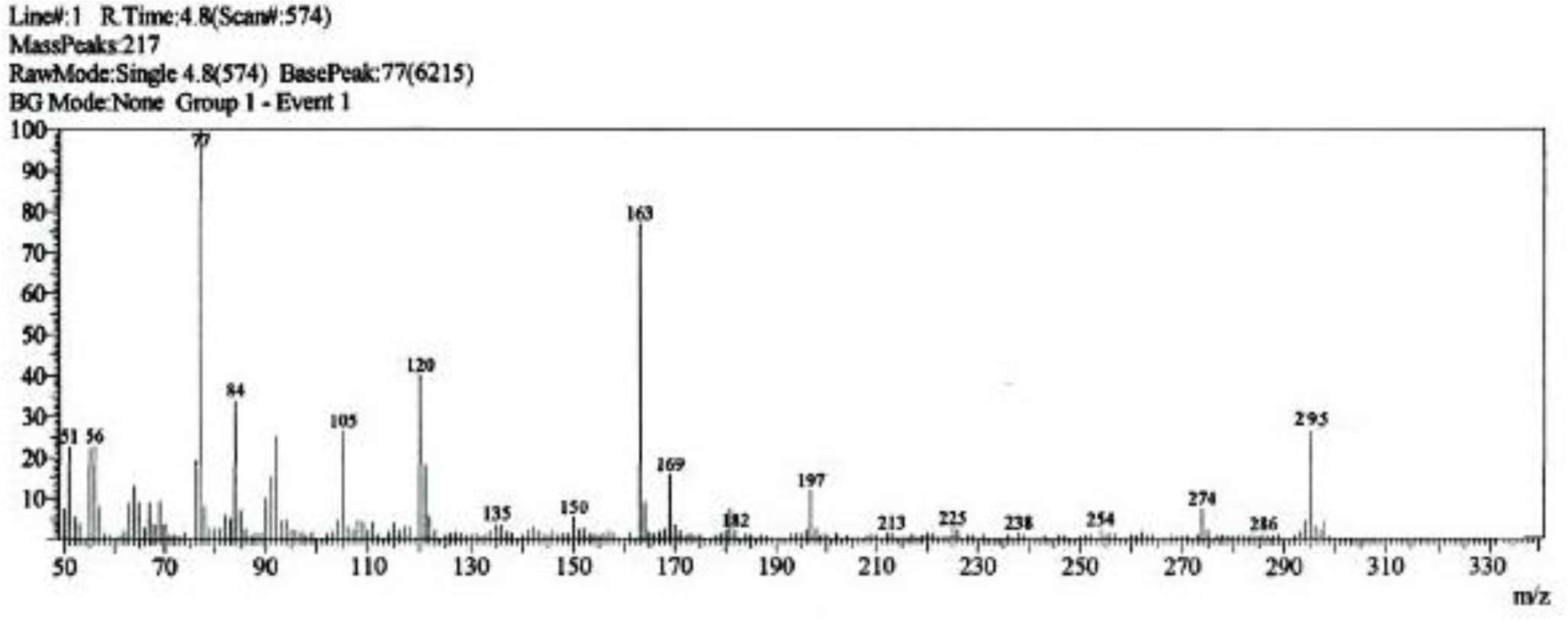
Supporting Information for:

**New benzimidazole derivatives: Design, synthesis, docking, and biological evaluation**

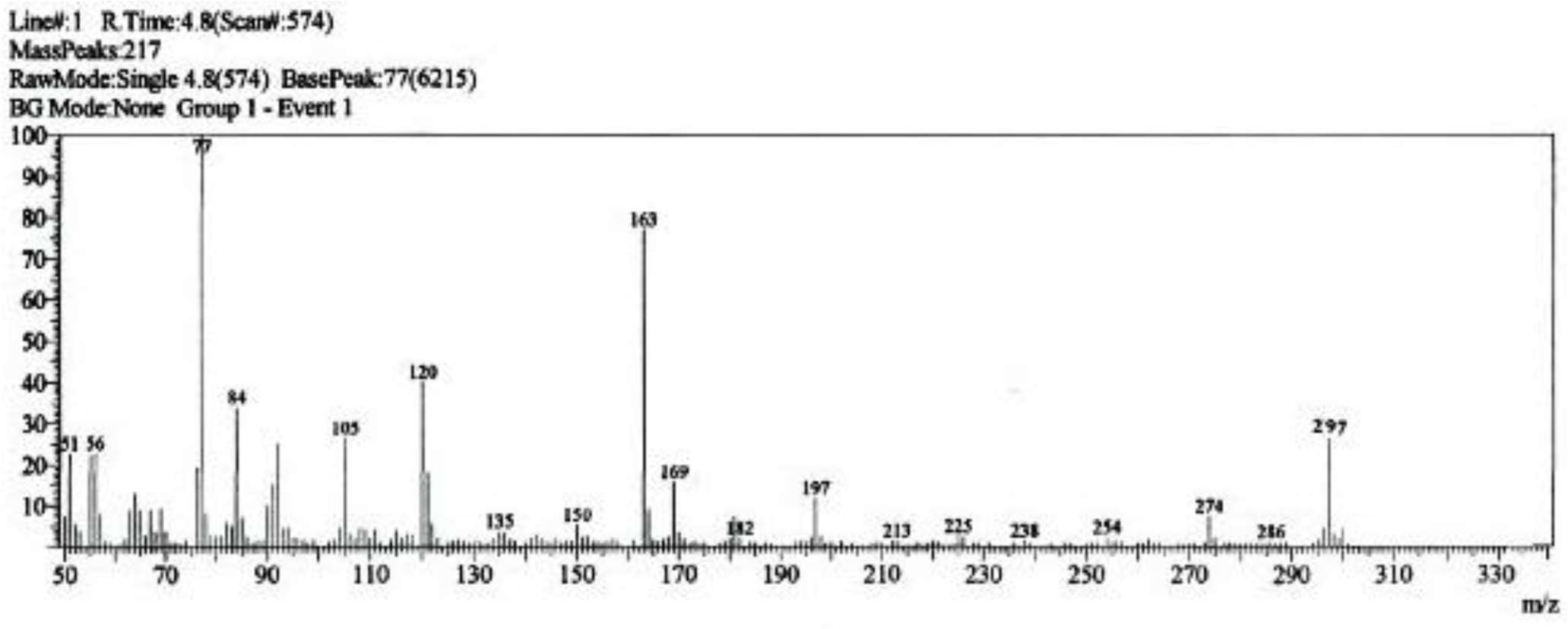
**Rami J. Obaida\***

aDepartment of Chemistry, Faculty of Applied Sciences, Umm Al-Qura University, 21955 Makkah Saudi Arabia

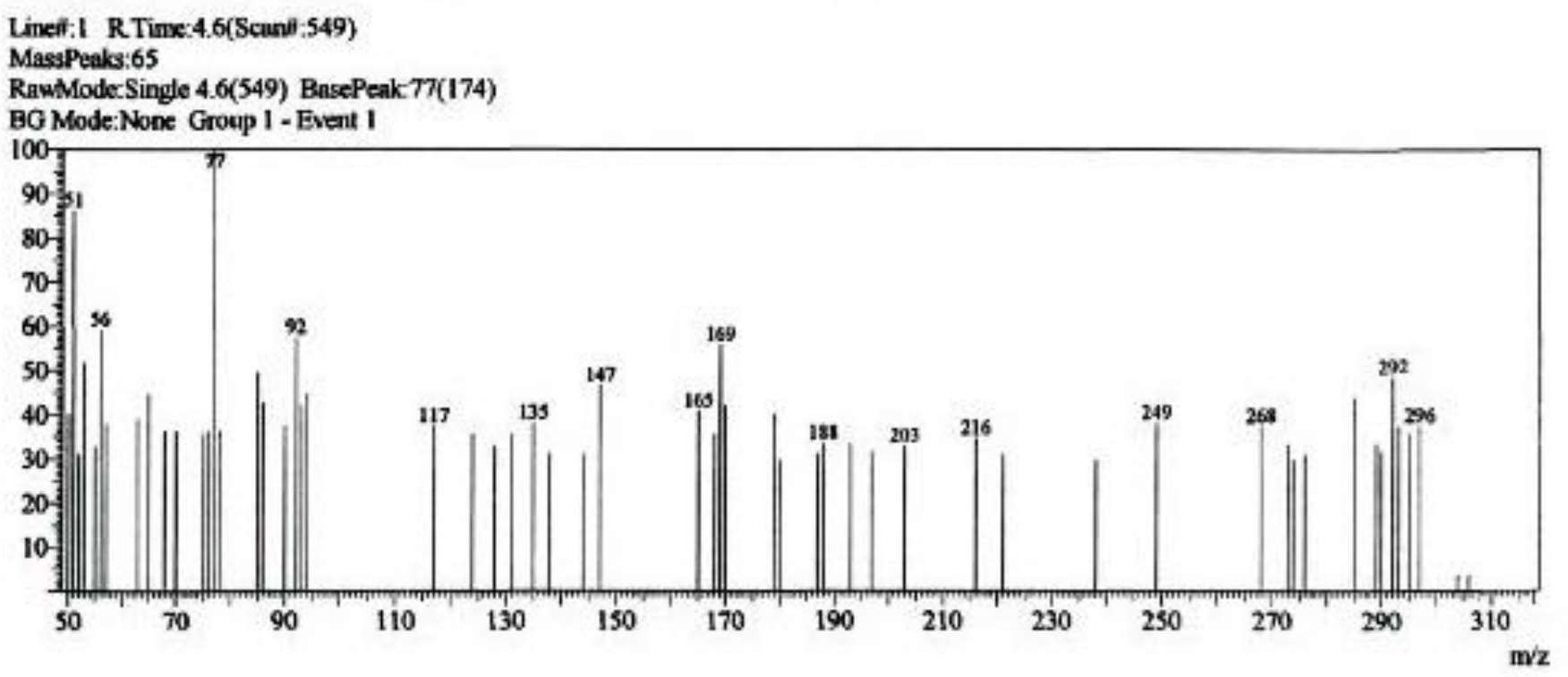
**\*Correspondence should be addressed to**: Rami J. Obaid; **Email:** [rjobaid@uqu.edu.sa](mailto:rjobaid@uqu.edu.sa)



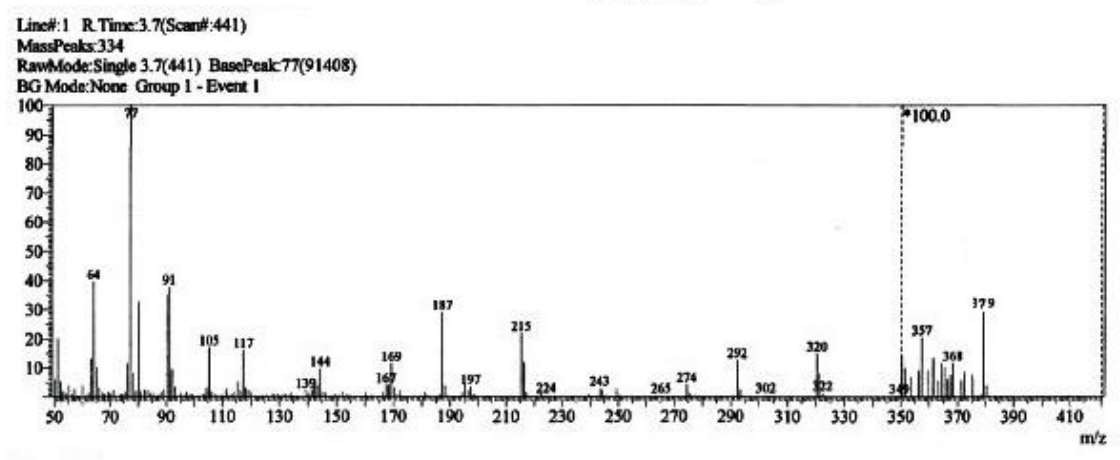
**Figure 1:** Mass spectrum of compound **3.**



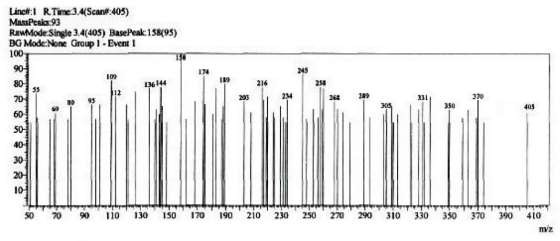
**Figure 2:** Mass spectrum of compound **4**.



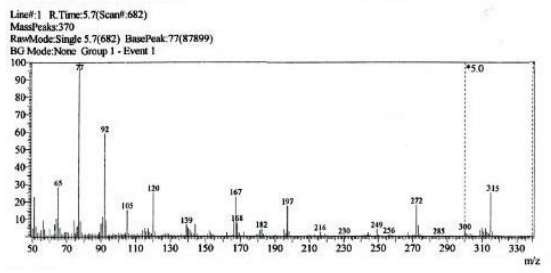
**Figure 3:** Mass spectrum of compound **5.**



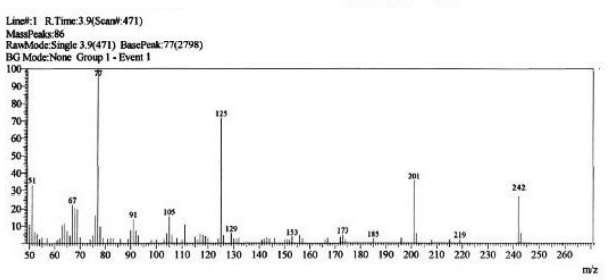
**Figure 4:** Mass spectrum of compound **6**.



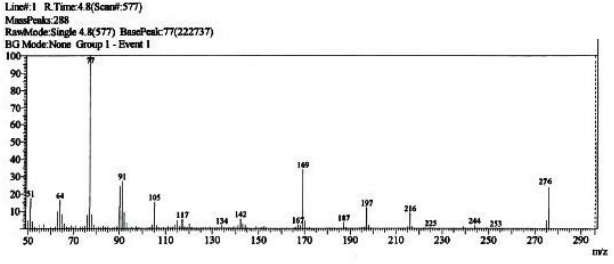
**Figure 5:** Mass spectrum of compound **7**.



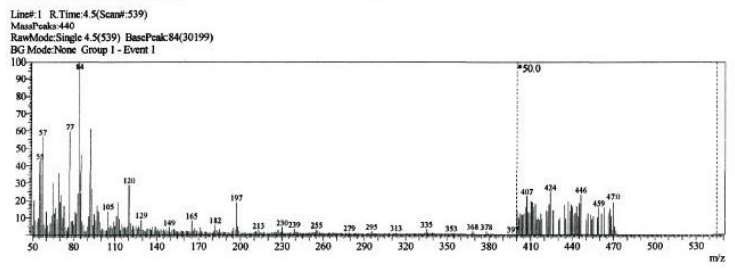
**Figure 6:** Mass spectrum of compound **8**.



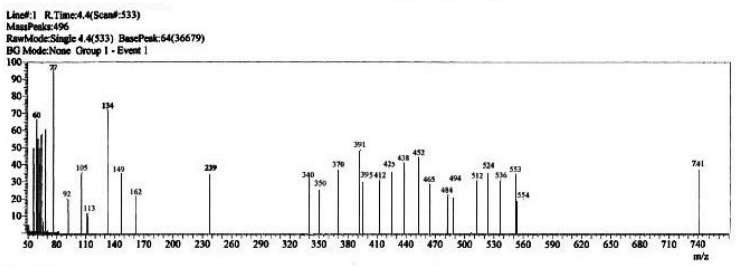
**Figure 7:** Mass spectrum of compound **9**.



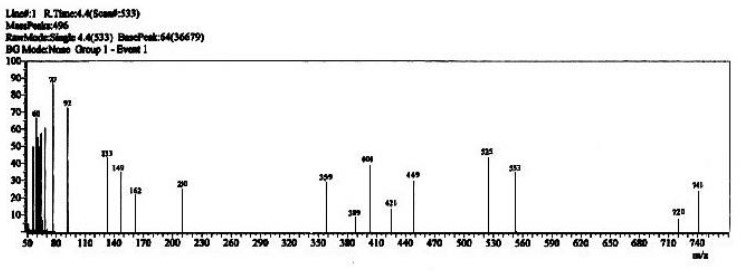
**Figure 8:** Mass spectrum of compound **11**.



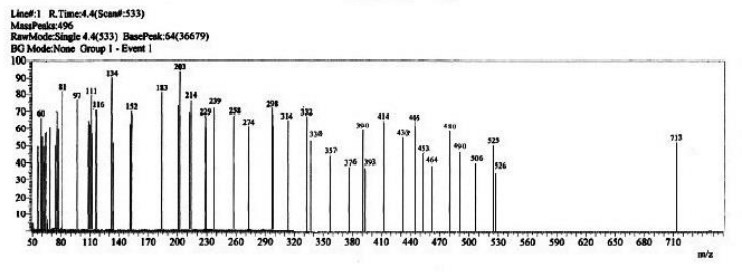
**Figure 9:** Mass spectrum of compound **14**.



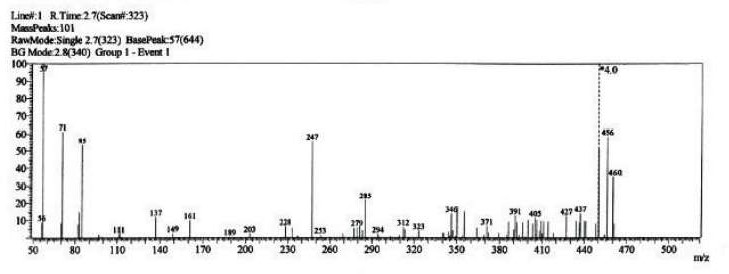
**Figure 10:** Mass spectrum of compound **15**.



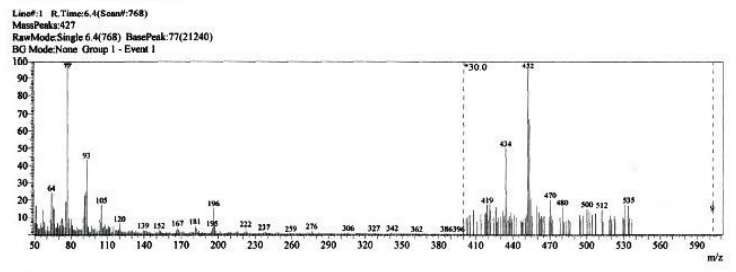
**Figure 11:** Mass spectrum of compound **16**.



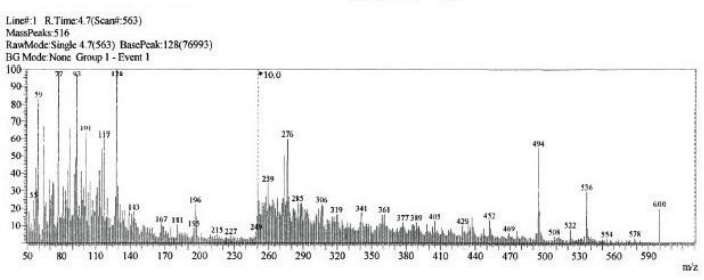
**Figure 12:** Mass spectrum of compound **17**.



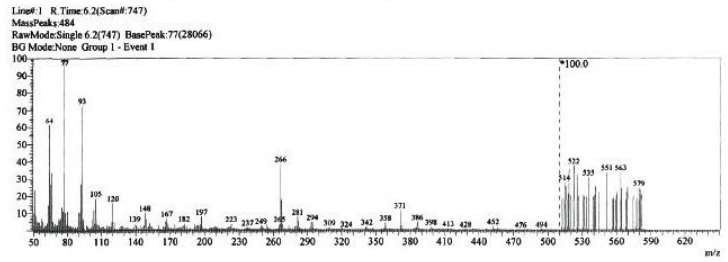
**Figure 13:** Mass spectrum of compound **18**.



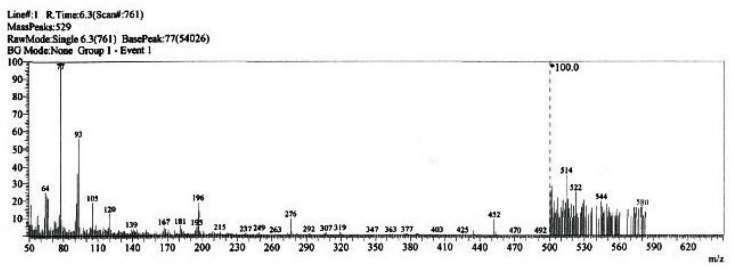
**Figure 14:** Mass spectrum of compound **19**.



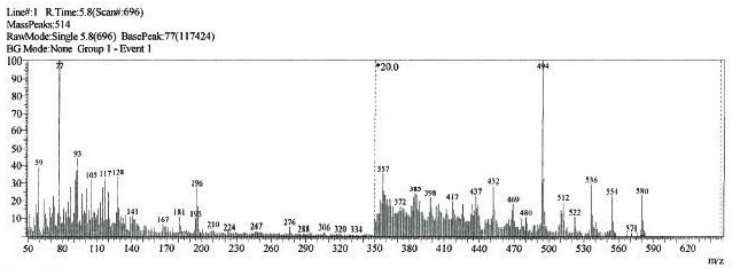
**Figure 15:** Mass spectrum of compound **20**.



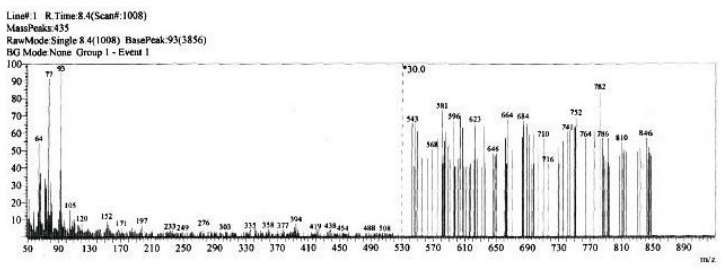
**Figure 16:** Mass spectrum of compound **22**.



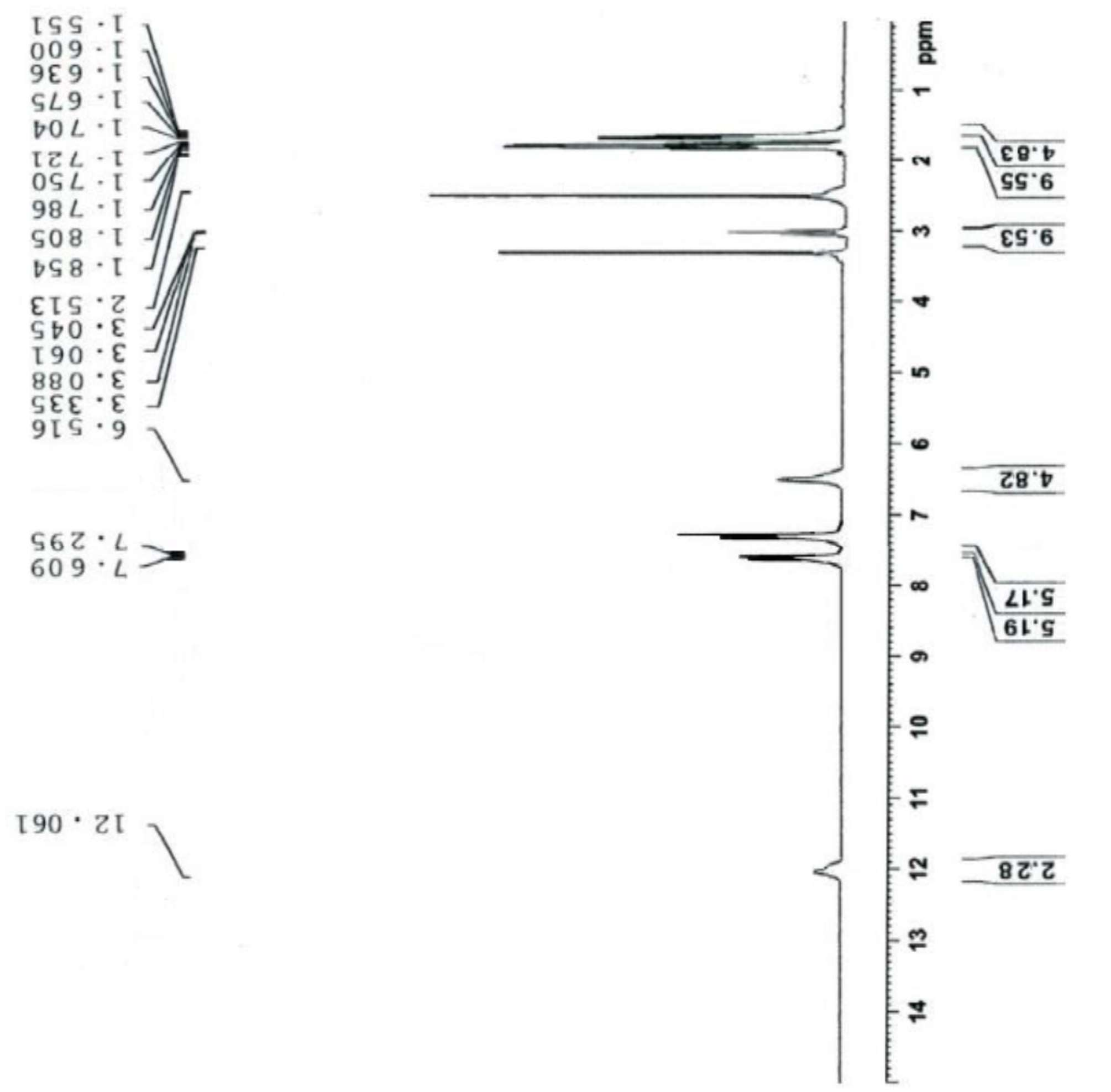
**Figure 17:** Mass spectrum of compound **23**.



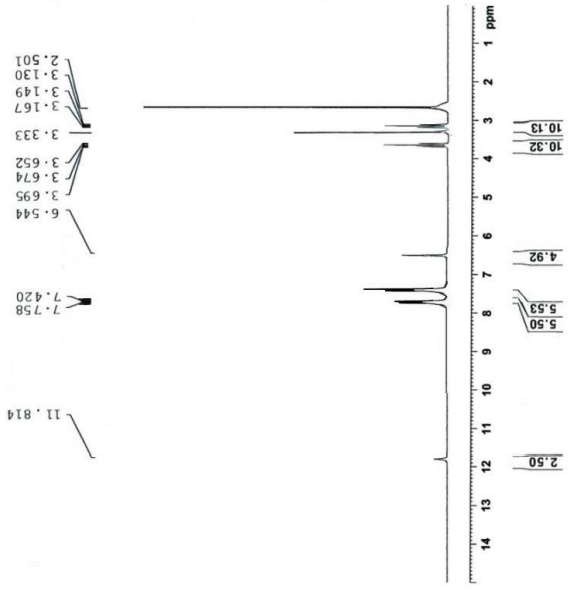
**Figure 18:** Mass spectrum of compound **24**.



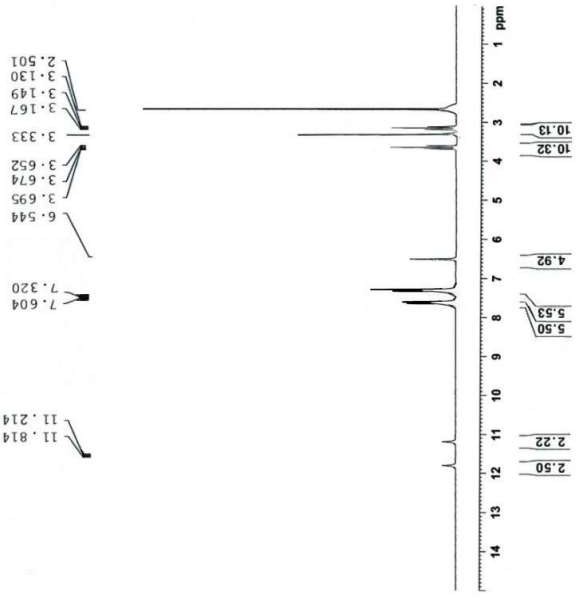
**Figure 19:** Mass spectrum of compound **25**.



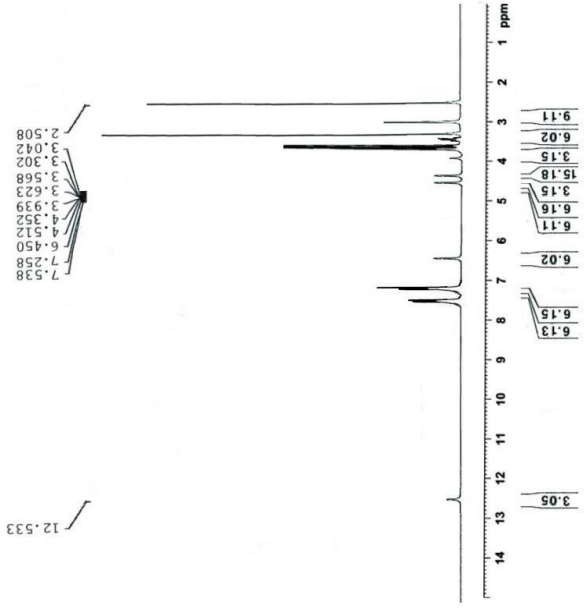
**Figure 20:** 1H NMR of compound **3.**



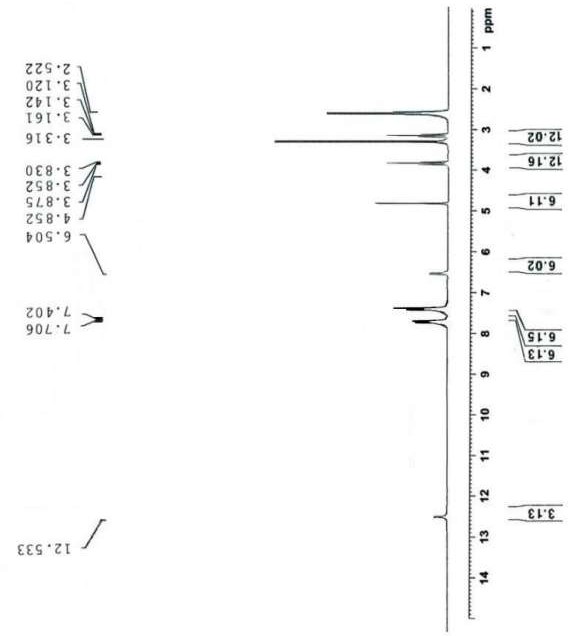
**Figure 21:** 1H NMR of compound **4**.



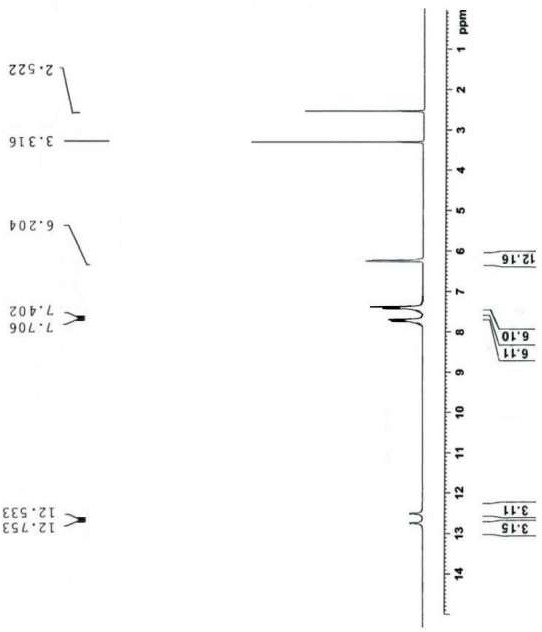
**Figure 22:** 1H NMR of compound **5**.



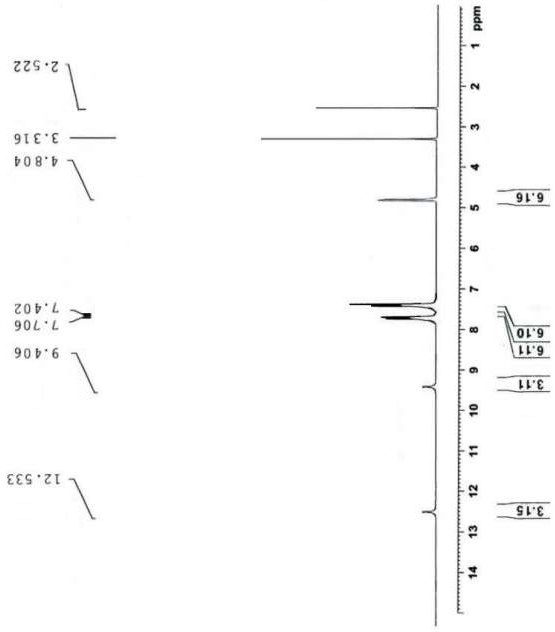
**Figure 23:** 1H NMR of compound **7**.



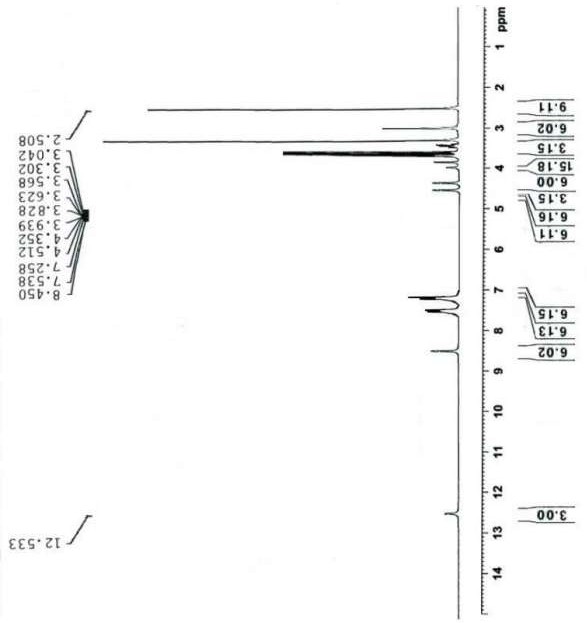
**Figure 24:** 1H NMR of compound **8**.



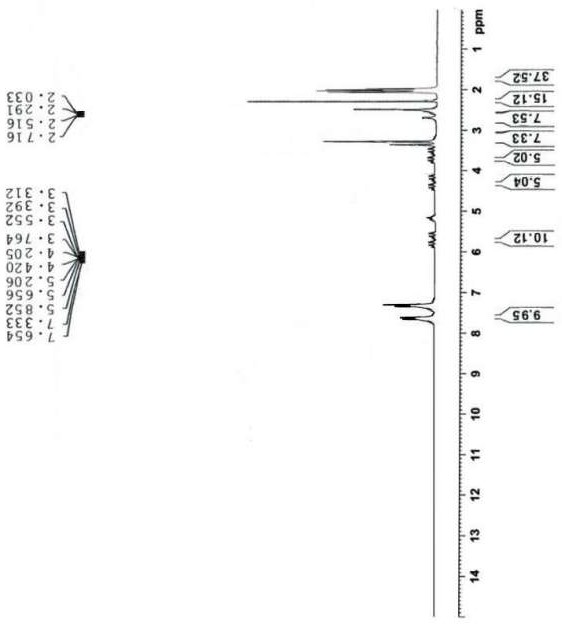
**Figure 25:** 1H NMR of compound **9**.



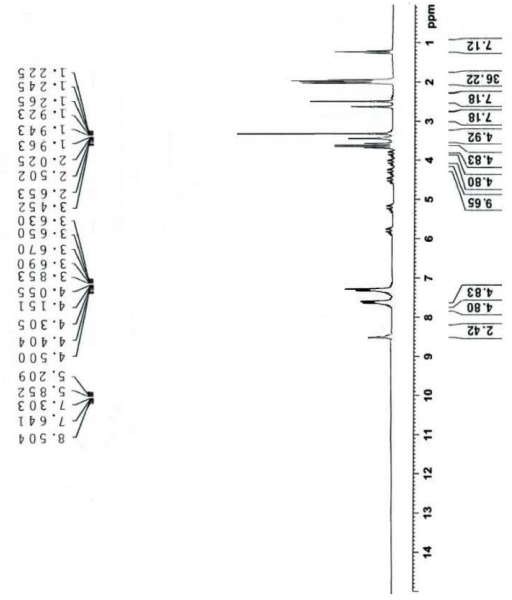
**Figure 26:** 1H NMR of compound **11**.



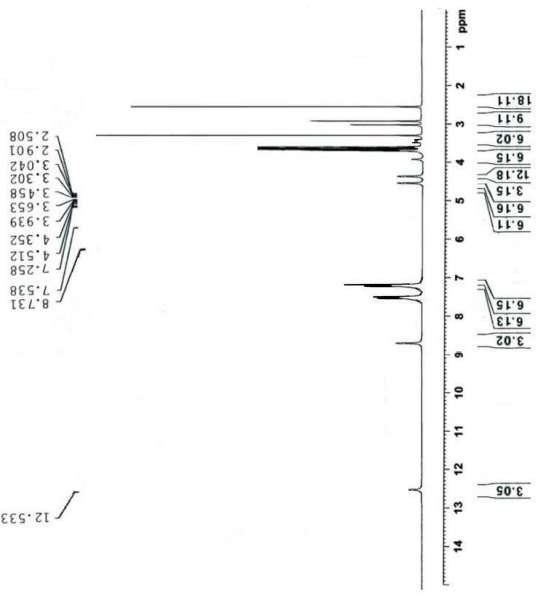
**Figure 27:** 1H NMR of compound **14**.



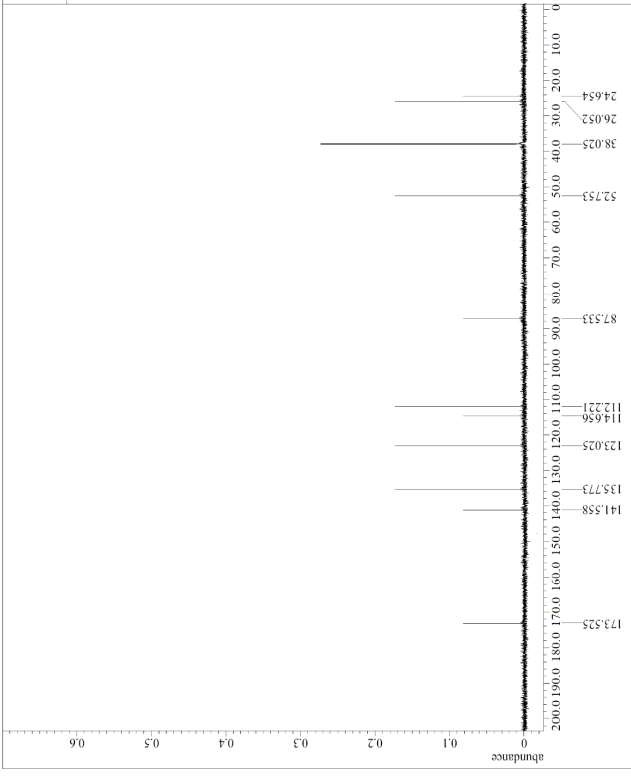
**Figure 28:** 1H NMR of compound **15**.



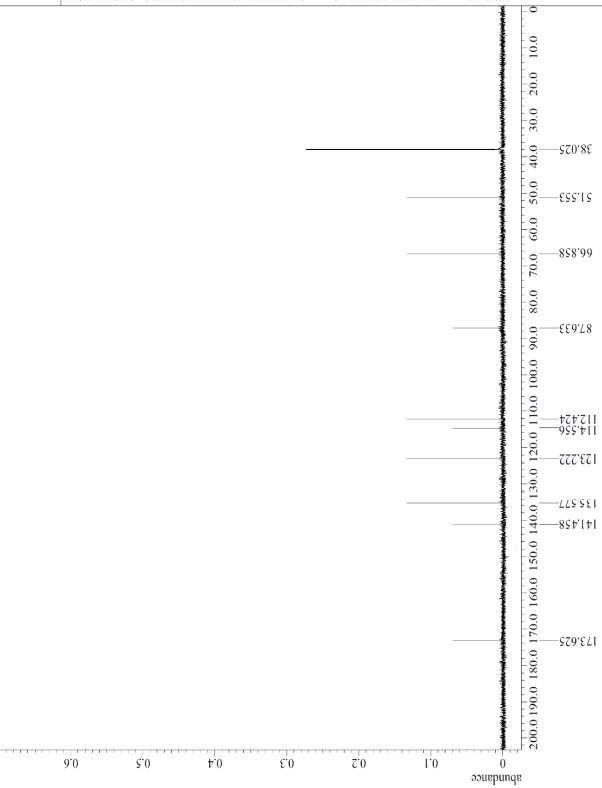
**Figure 29:** 1H NMR of compound **17**.



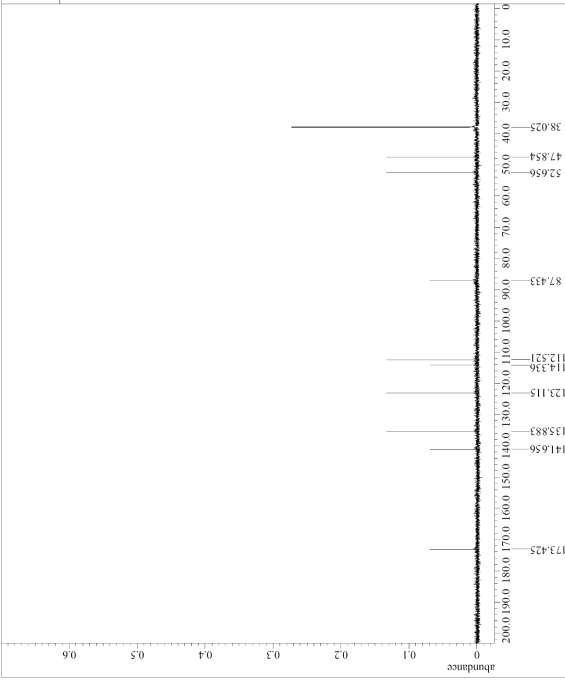
**Figure 30:** 1H NMR of compound **18**.



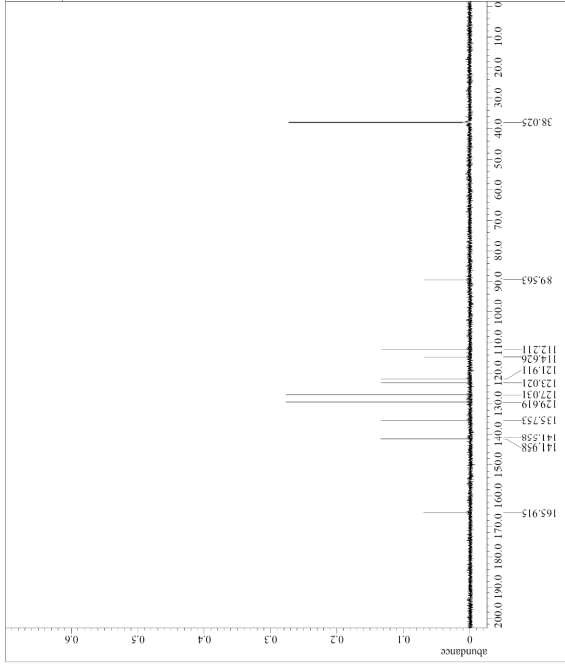
**Figure 31:** 13C NMR of compound **3**.



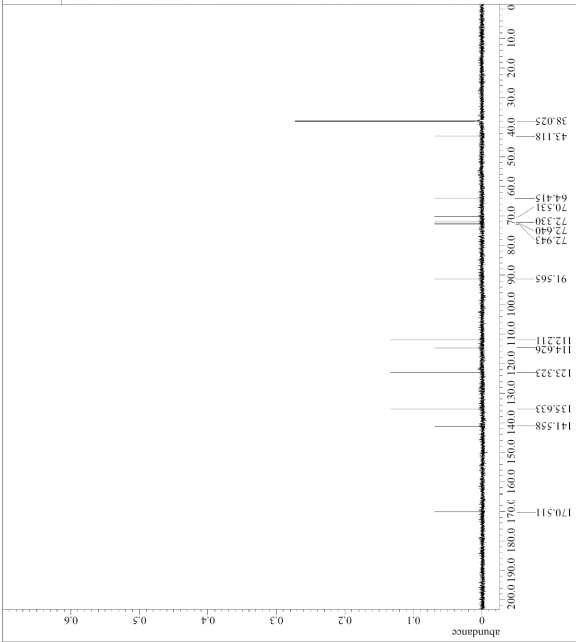
**Figure 32:** 13C NMR of compound **4**.



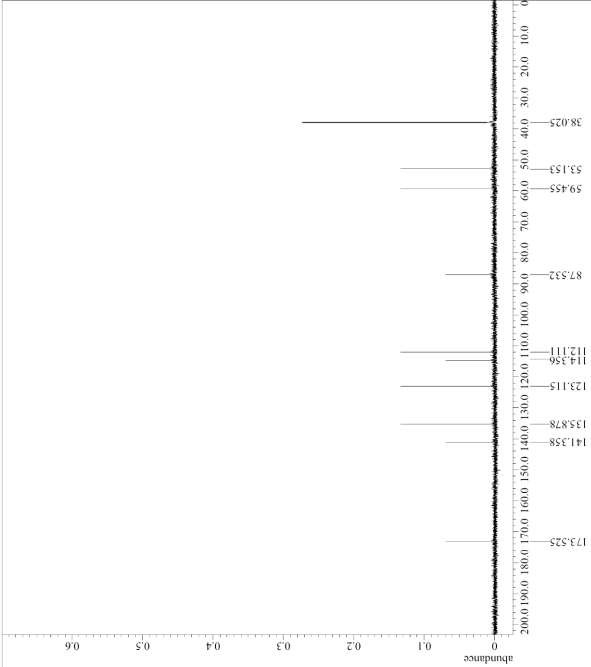
**Figure 33:** 13C NMR of compound **5**.



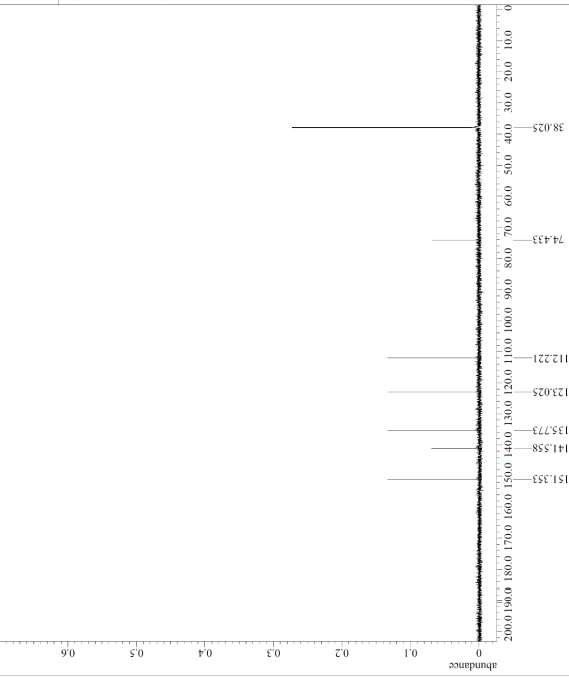
**Figure 34:** 13C NMR of compound **6**.



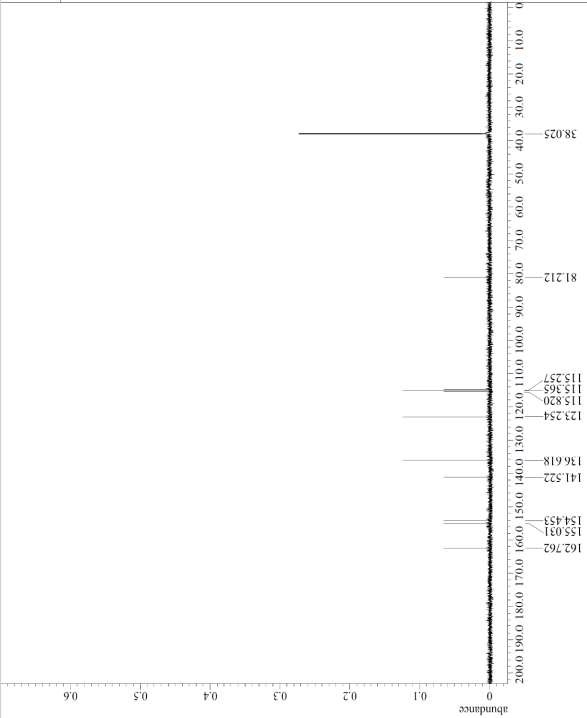
**Figure 35:** 13C NMR of compound **7**.



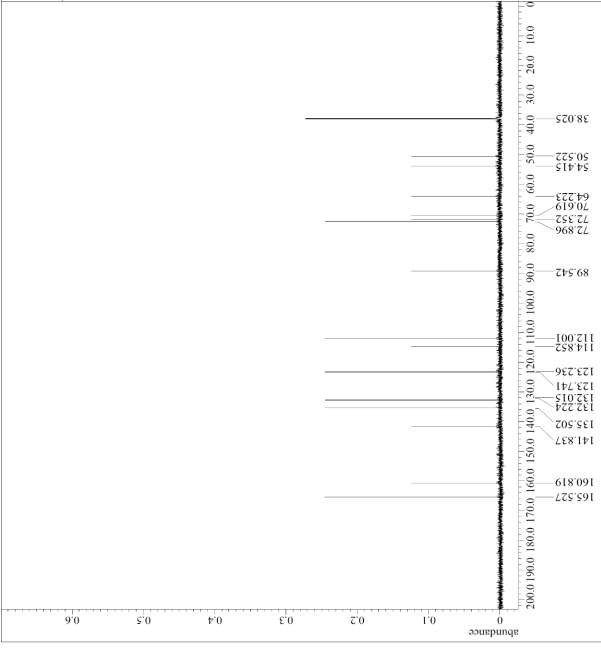
**Figure 36:** 13C NMR of compound **8**.



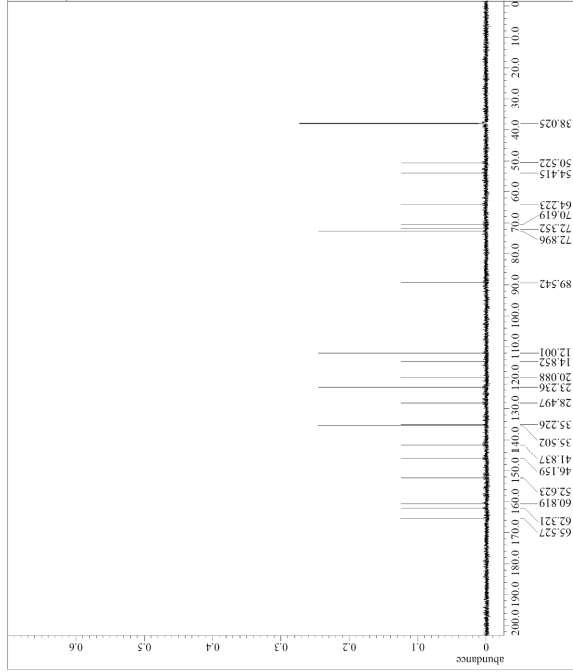
**Figure 37:** 13C NMR of compound **9**.



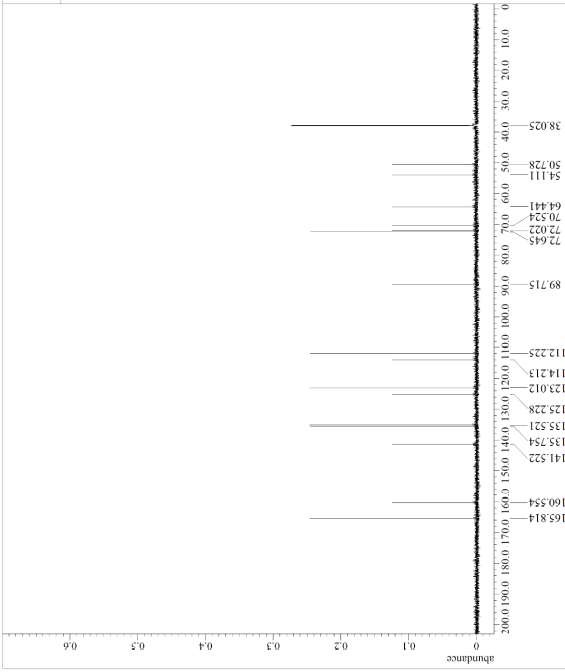
**Figure 38:** 13C NMR of compound **11**.



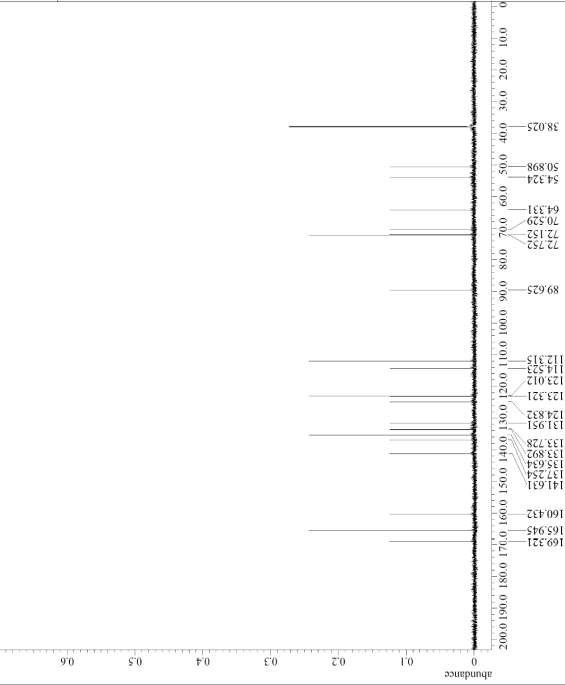
**Figure 39:** 13C NMR of compound **19**.



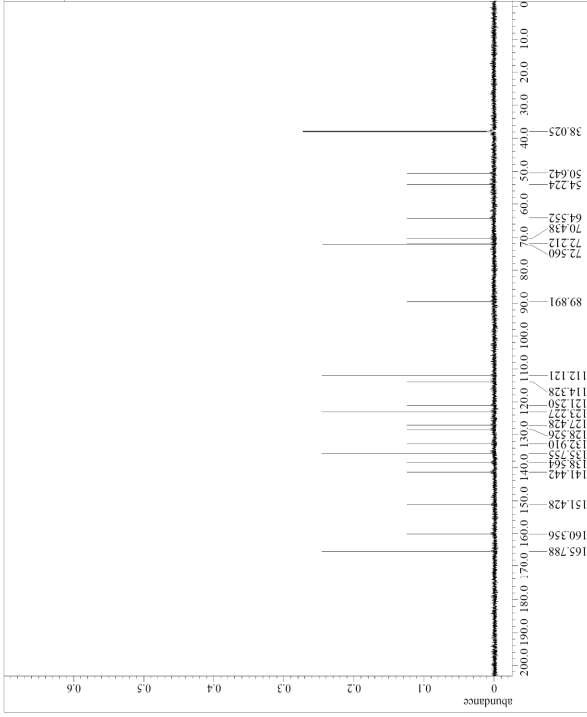
**Figure 40:** 13C NMR of compound **20**.



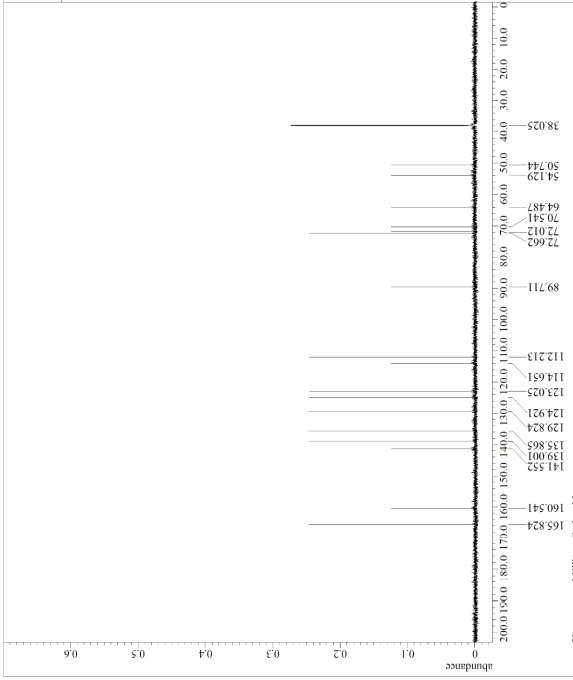
**Figure 41:** 13C NMR of compound **21**.



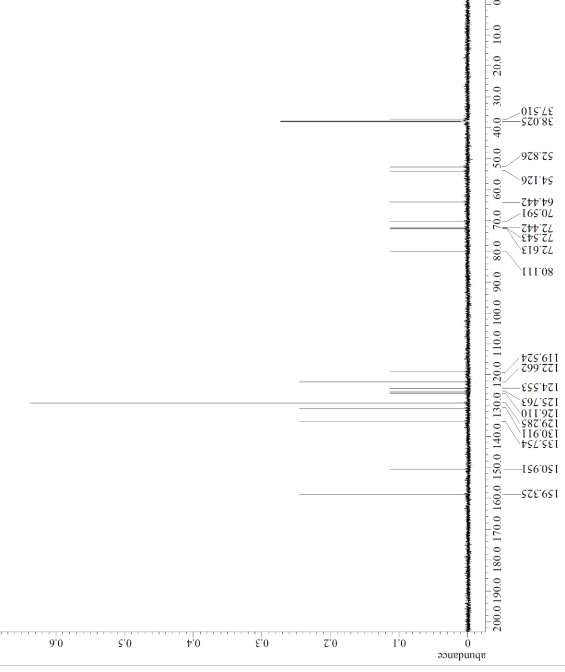
**Figure 42:** 13C NMR of compound **22**.



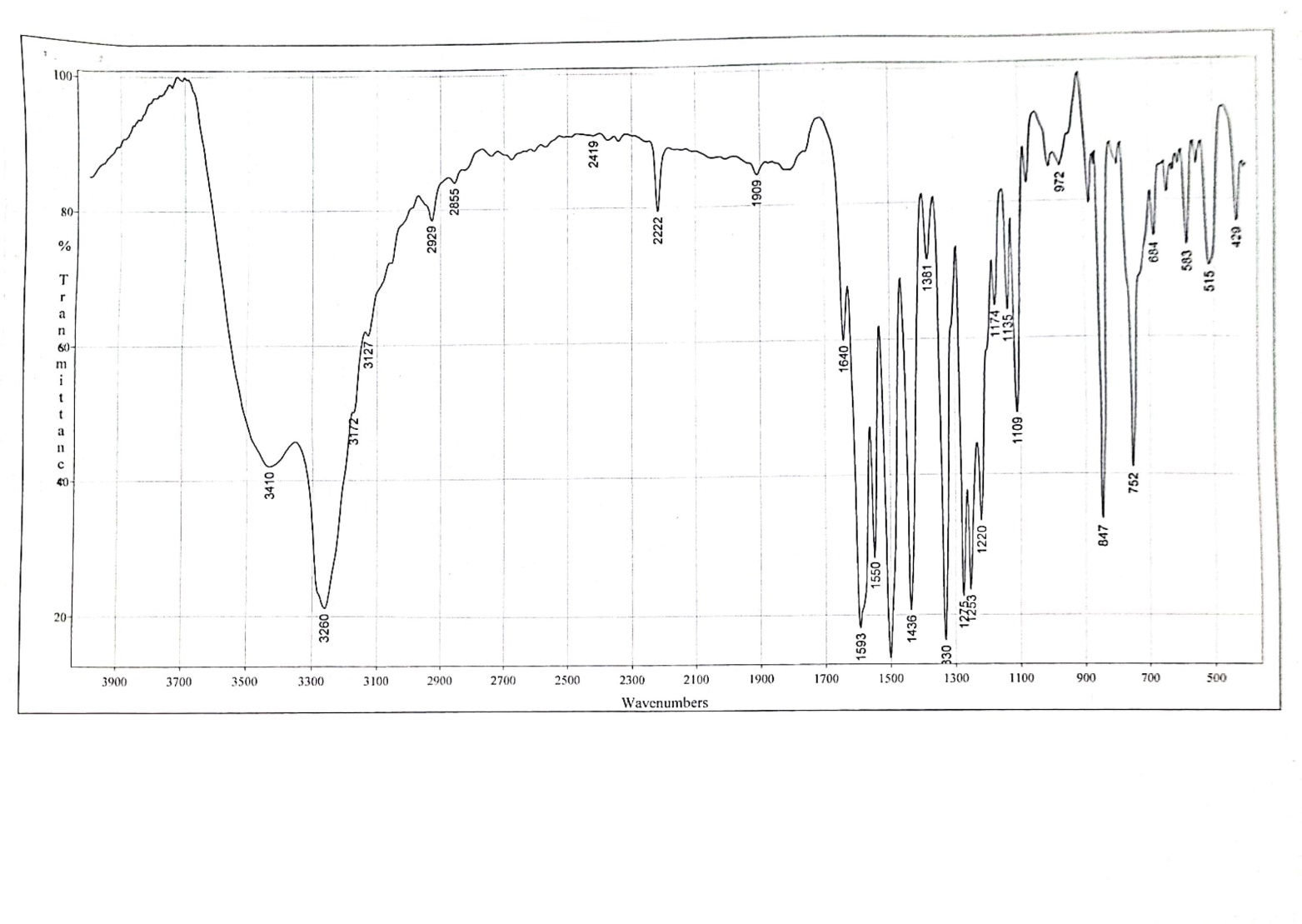
**Figure 43:** 13C NMR of compound **23**.



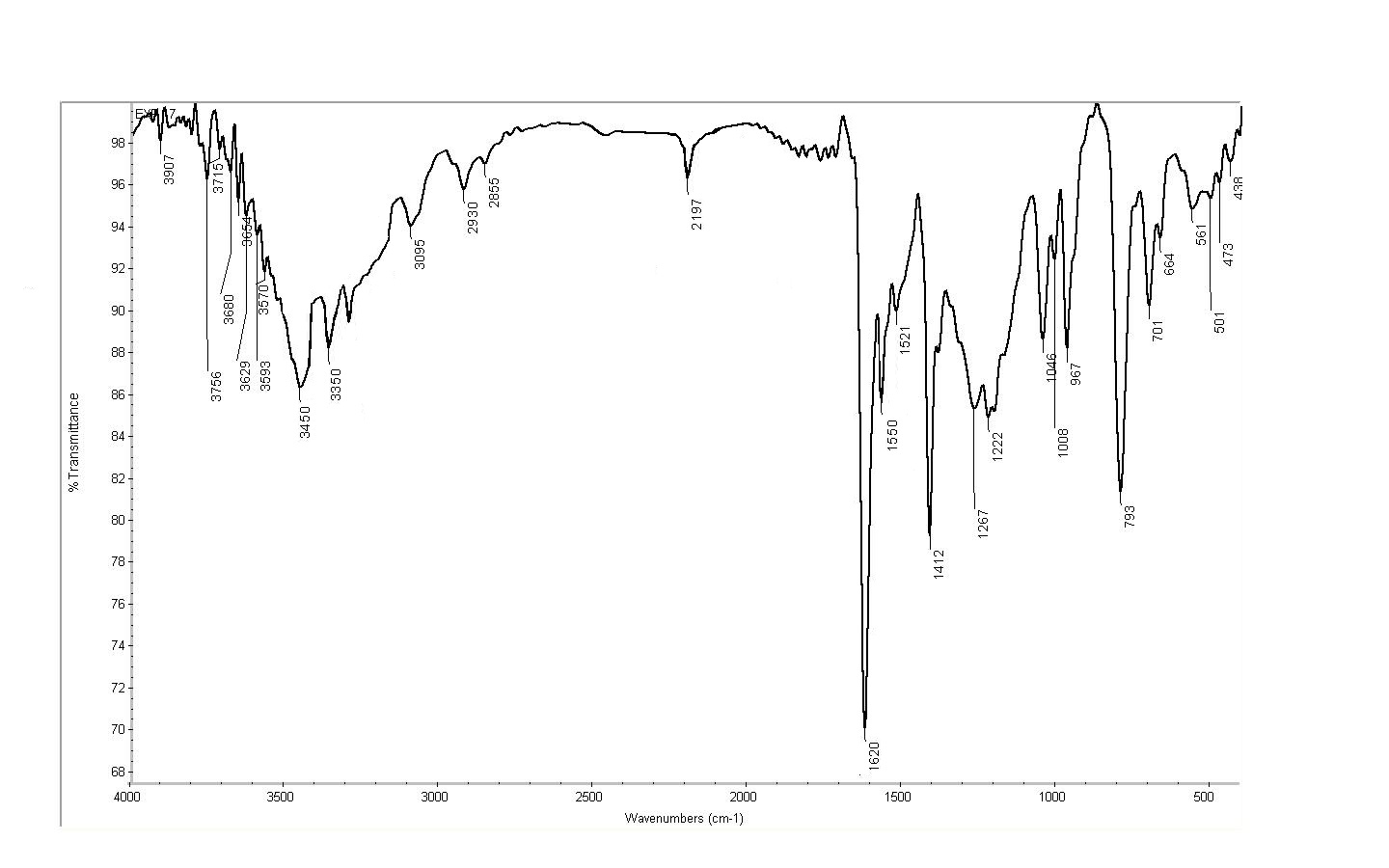
**Figure 44:** 13C NMR of compound **25**.



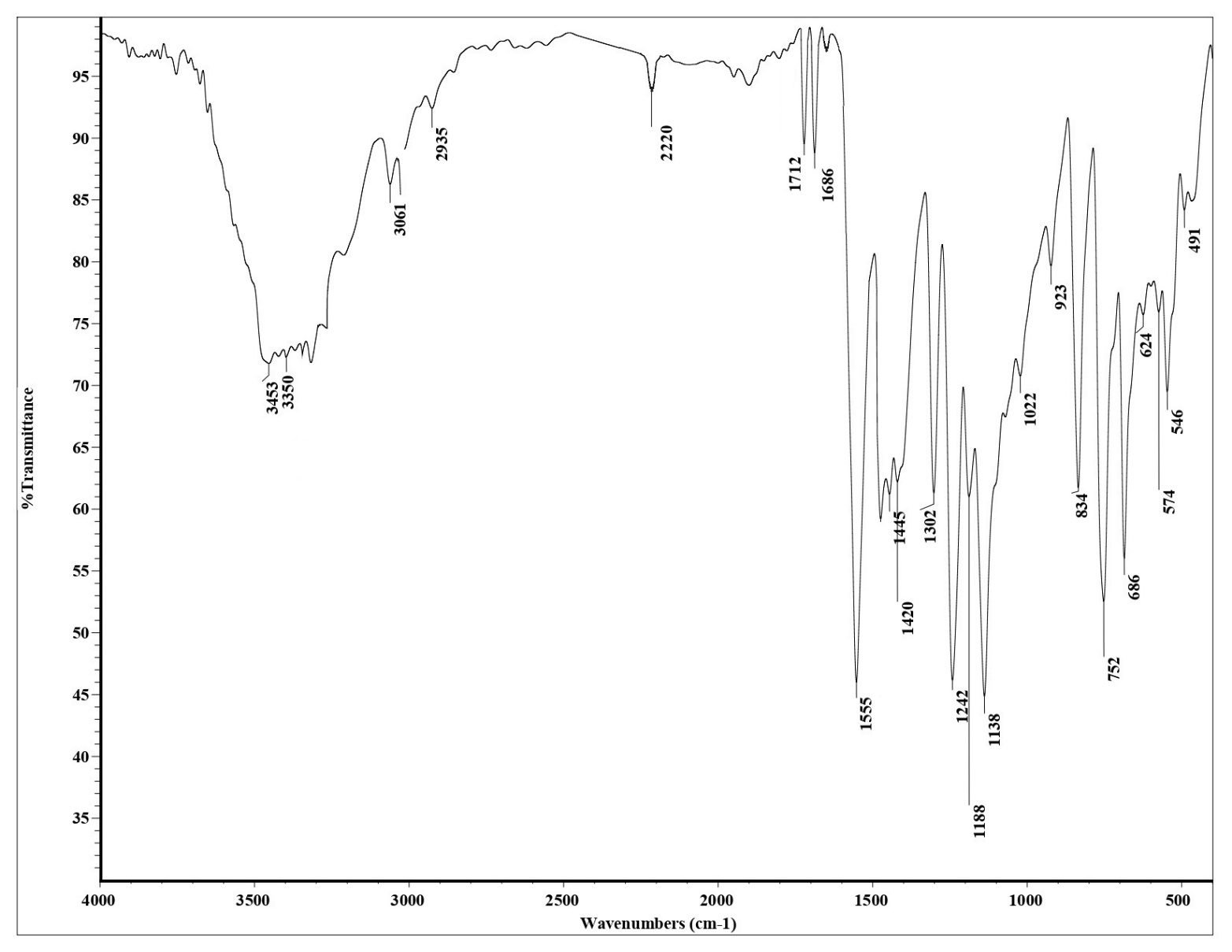
**Figure 45:** 13C NMR of compound **26**.



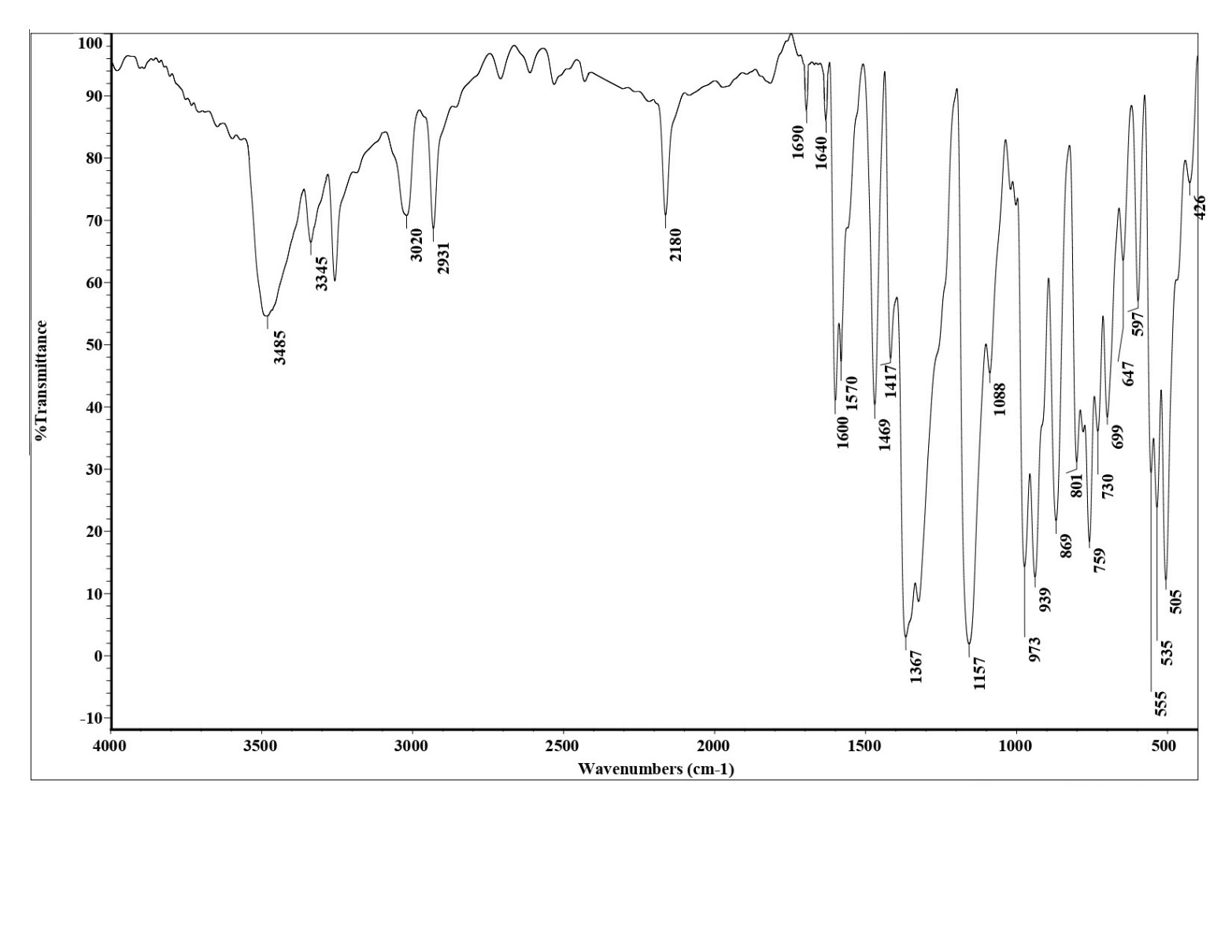
**Figure 46:** IR of compound **7**



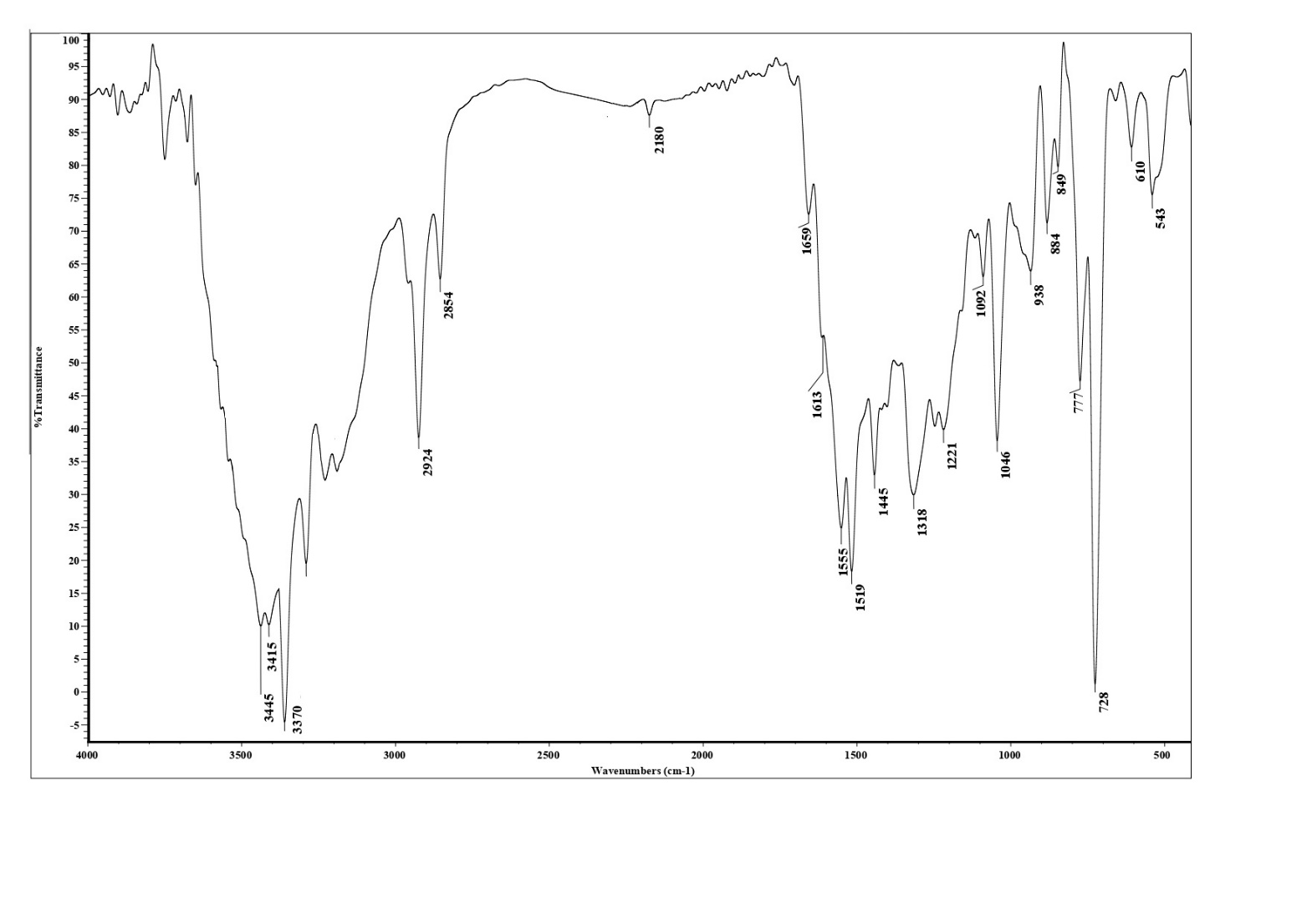
**Figure 47:** IR of compound **14**

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**Figure 48:** IR of compound **19**

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**Figure 49:** IR of compound **21**

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**Figure 50:** IR of compound **23**



**Figure 51:** Mass Fragmentation of compound **3**



**Figure 52:** Mass Fragmentation of compound **9**



**Figure 53:** Mass Fragmentation of compound **11**





**Figure 54:** Mass Fragmentation of compound **14**