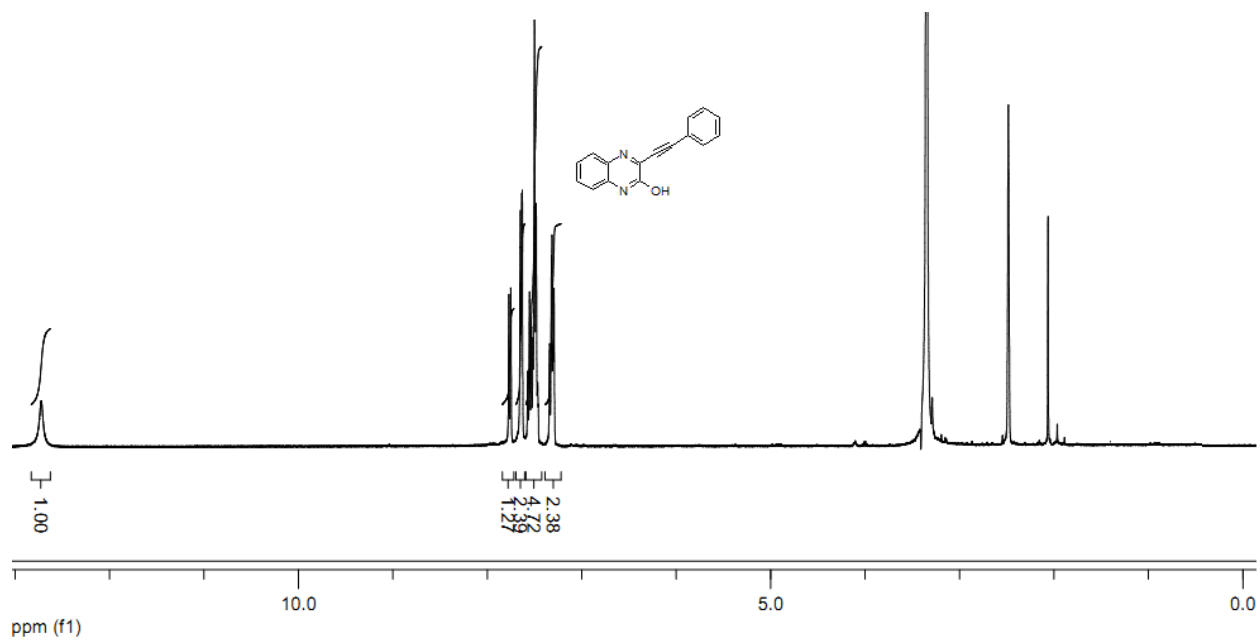
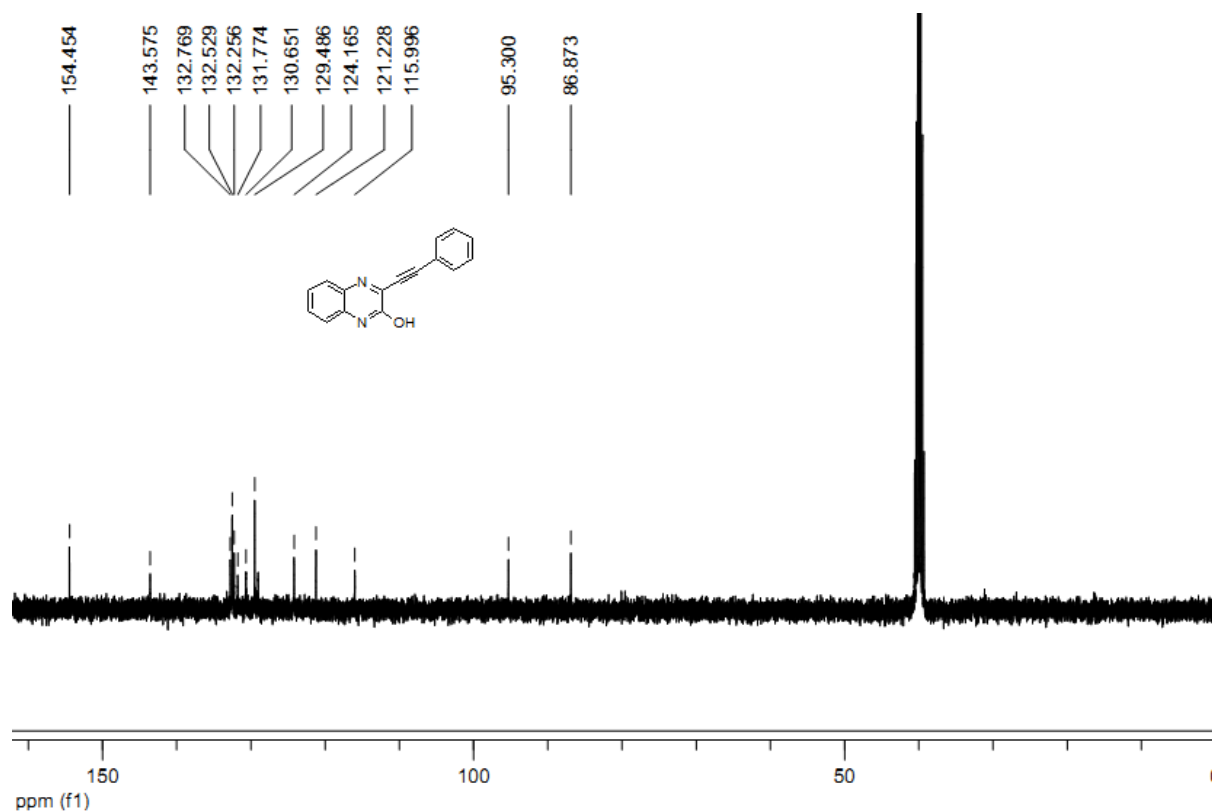


Copies of ^1H & ^{13}C NMR spectra

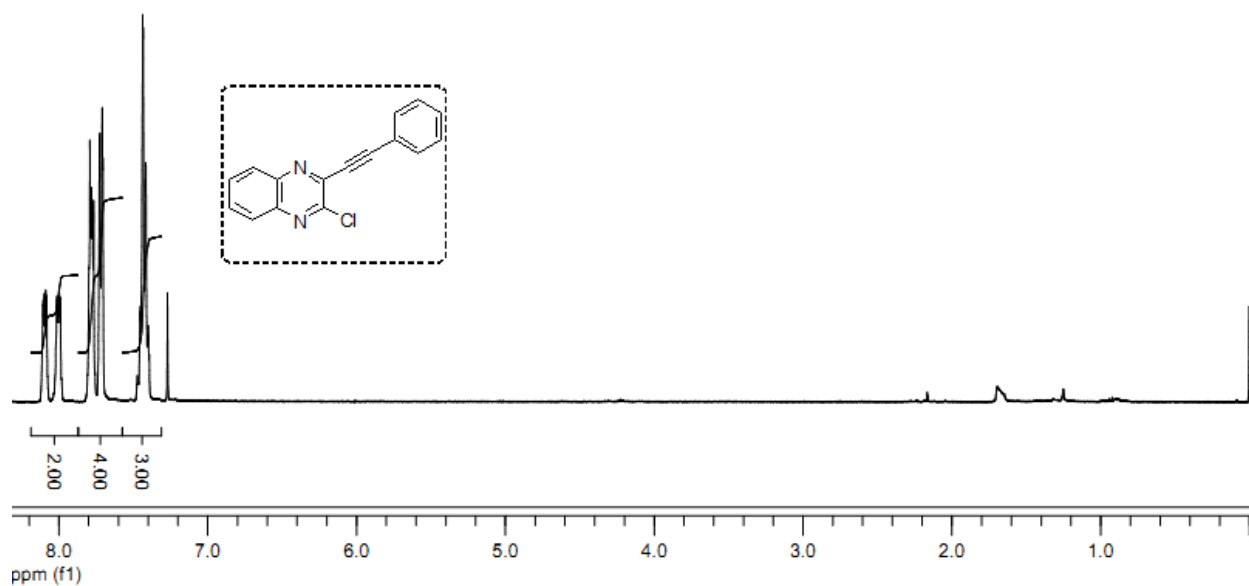
^1H NMR (400 MHz, $\text{DMSO-}d_6$) - **3aa**



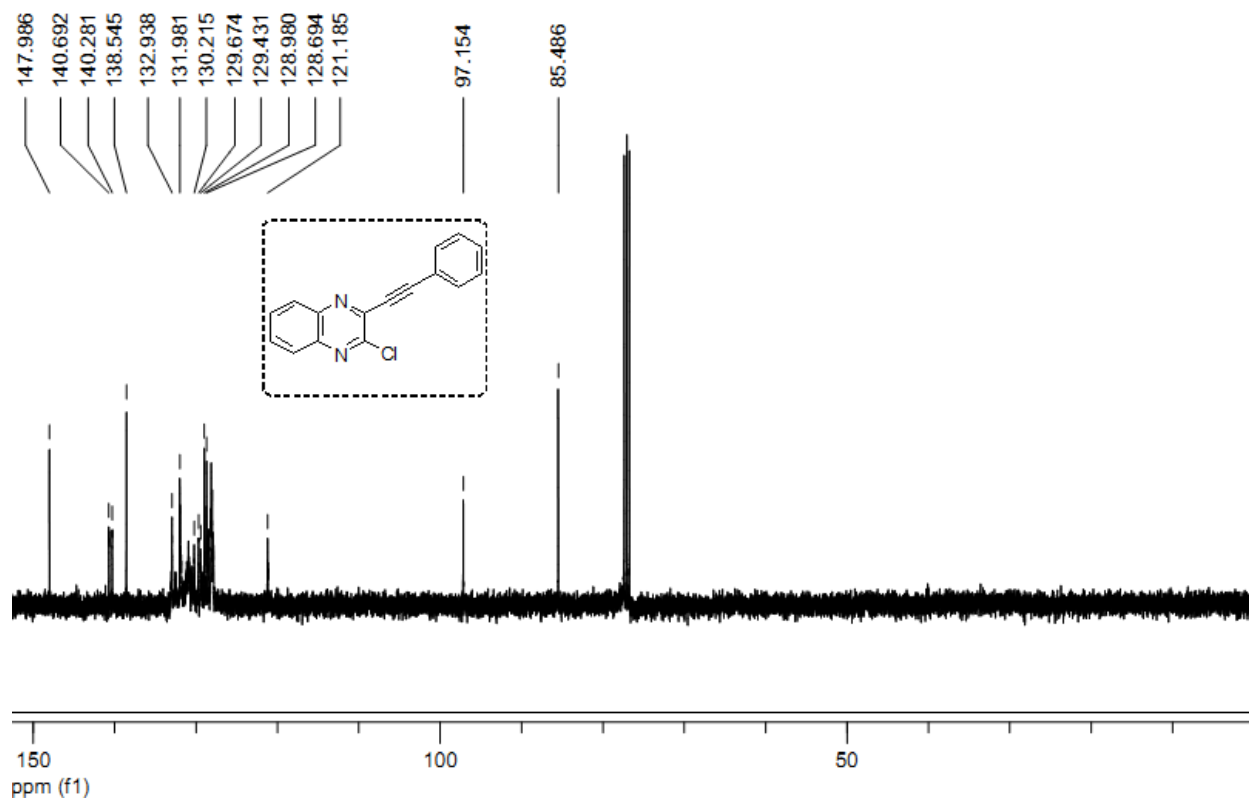
^{13}C NMR (100 MHz, $\text{DMSO-}d_6$) - **3aa**



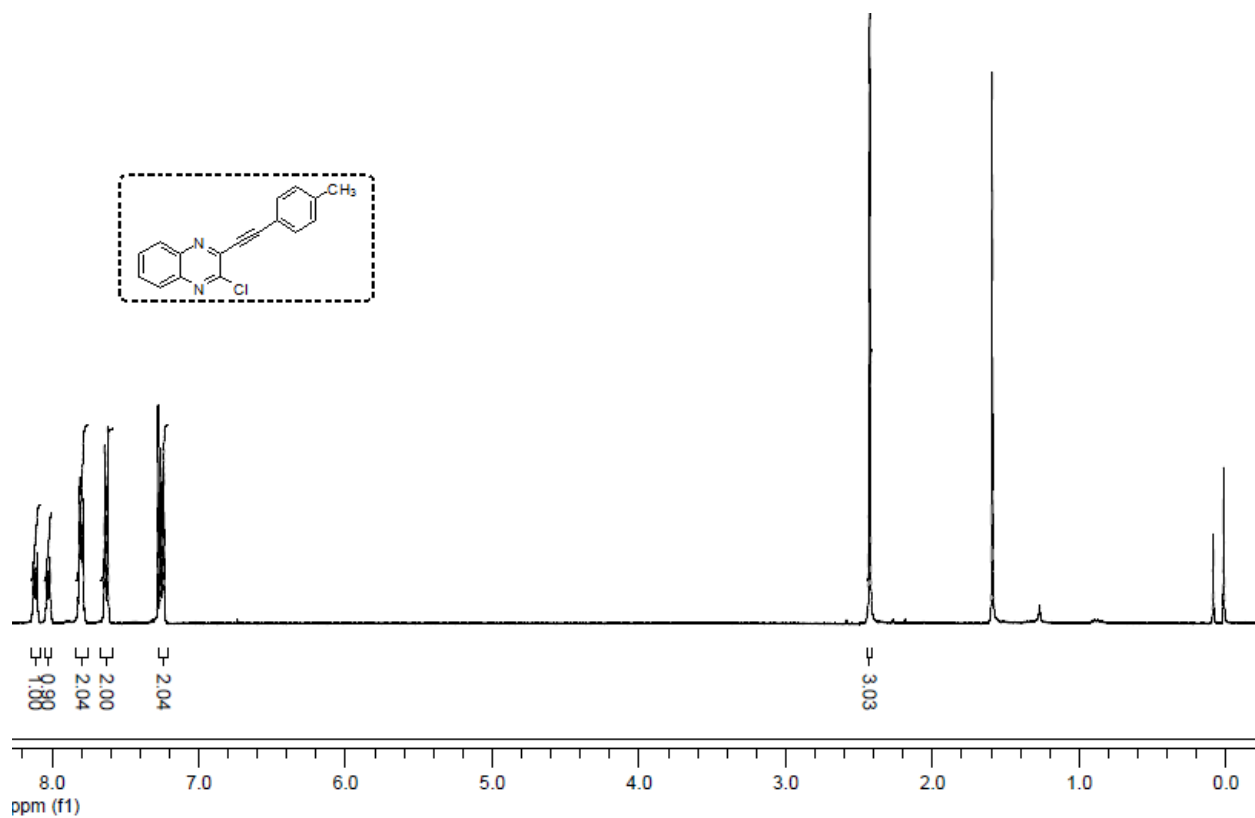
^1H NMR (400 MHz, CDCl_3) - **3a**



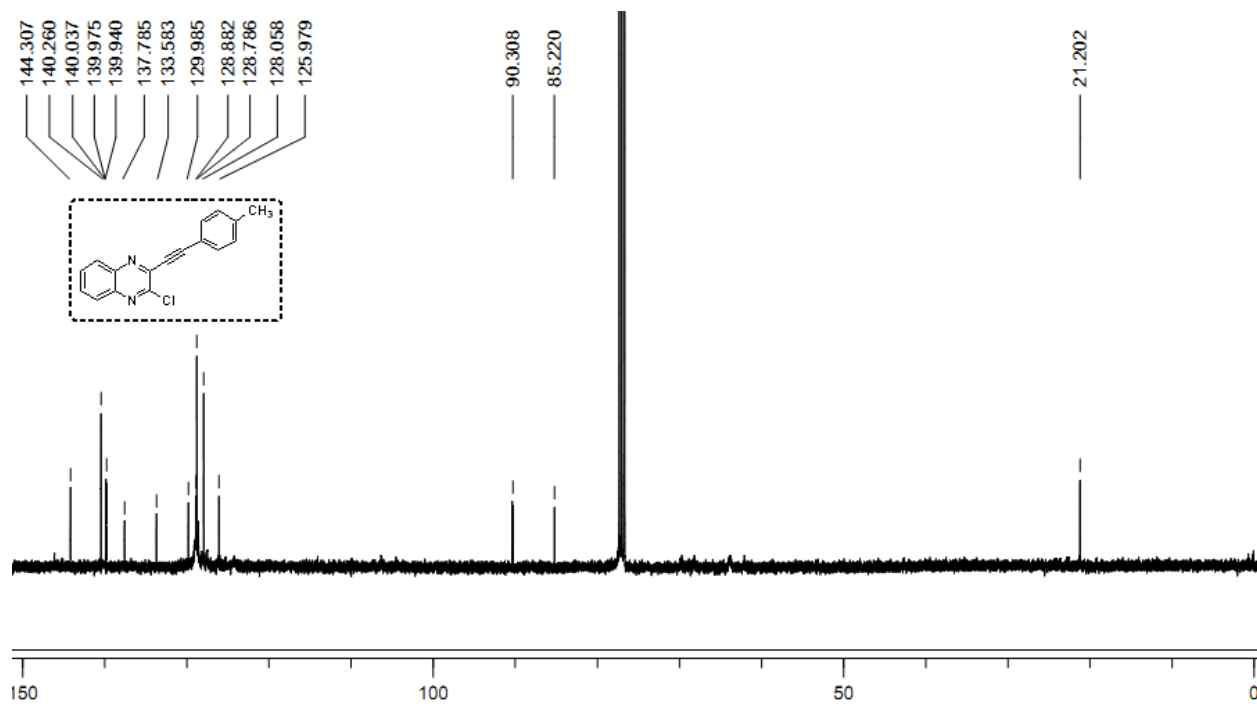
^{13}C NMR (100 MHz, CDCl_3)-**3a**



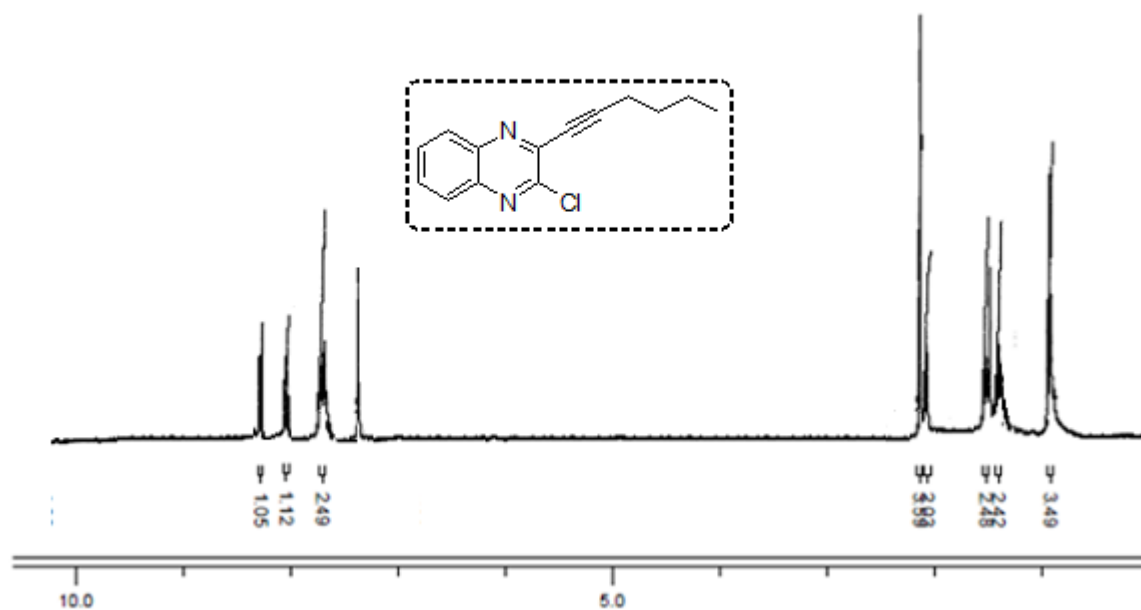
^1H NMR (400 MHz, CDCl_3) – **3b**



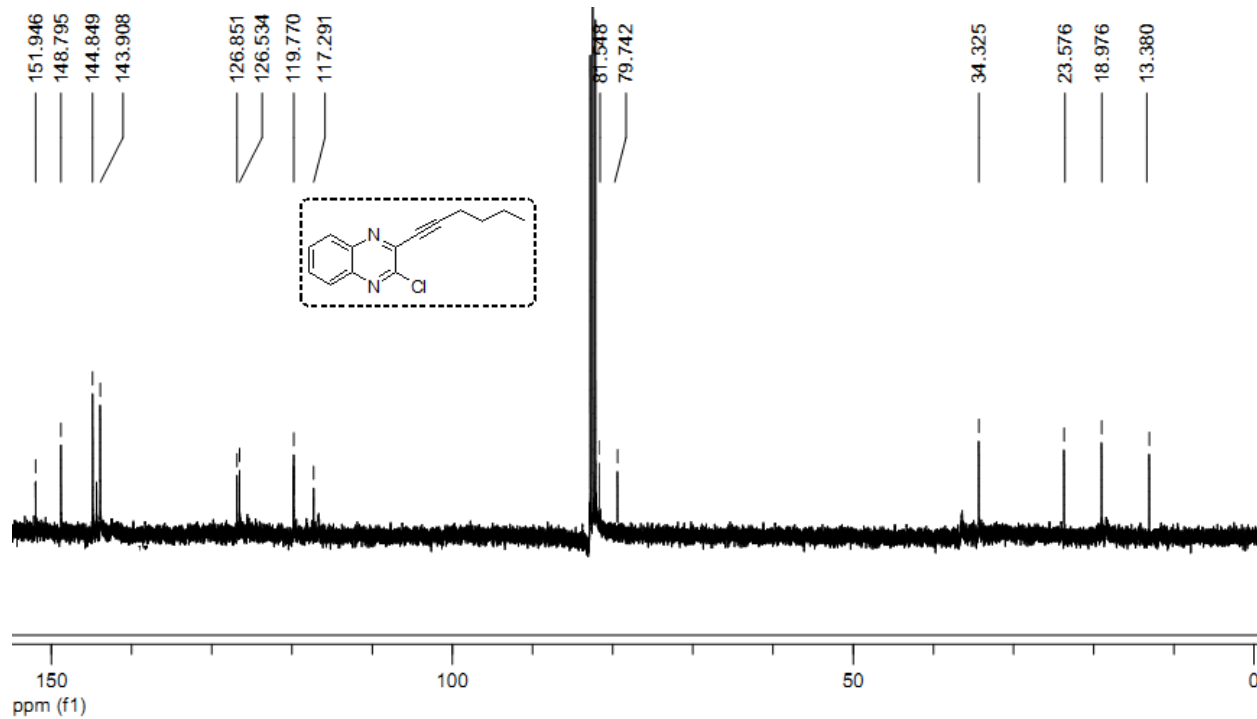
^{13}C NMR (100 MHz, CDCl_3)-**3b**



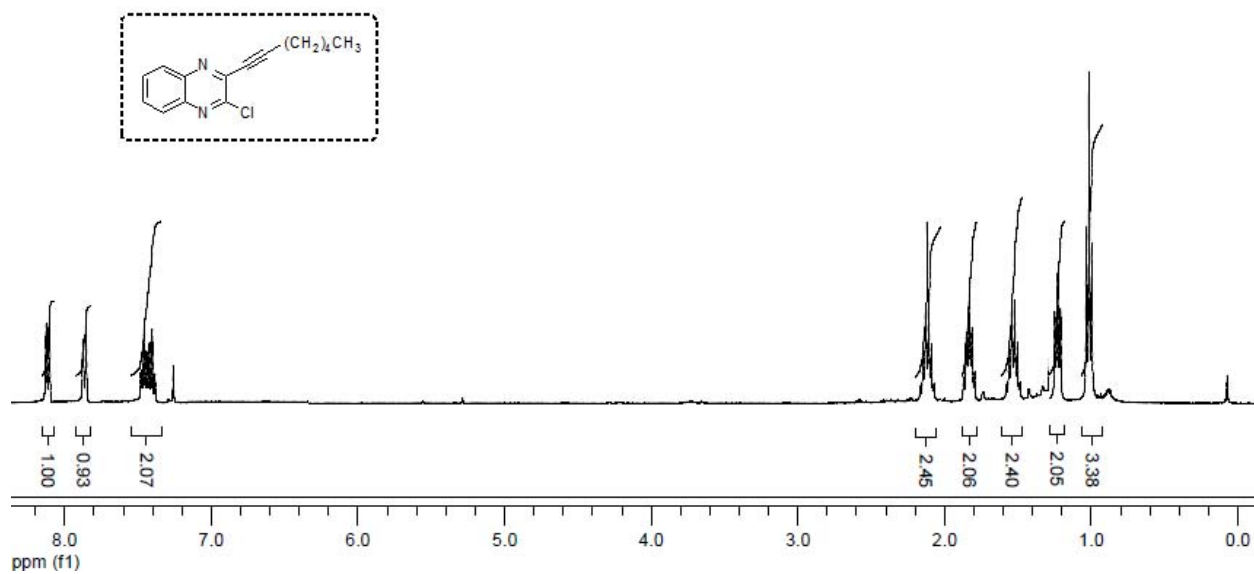
^1H NMR (400 MHz, CDCl_3) – **3c**



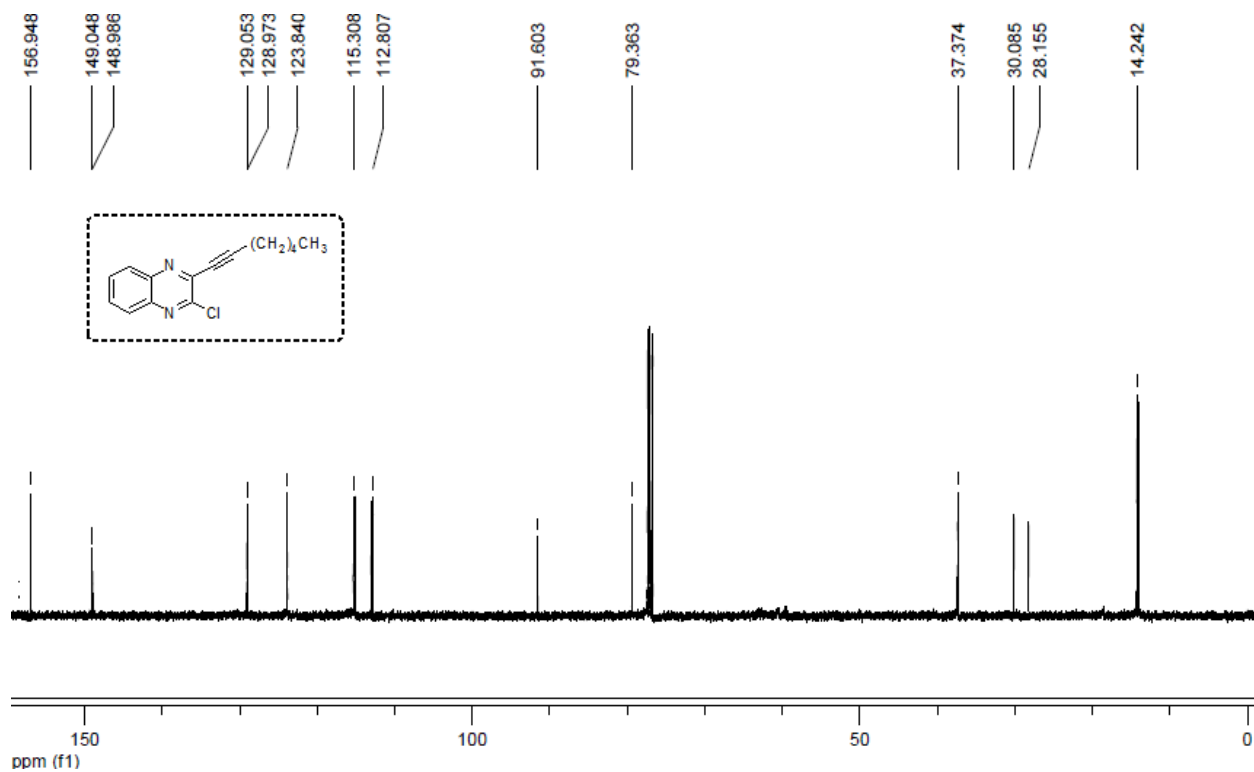
^{13}C NMR (100 MHz, CDCl_3)-**3c**



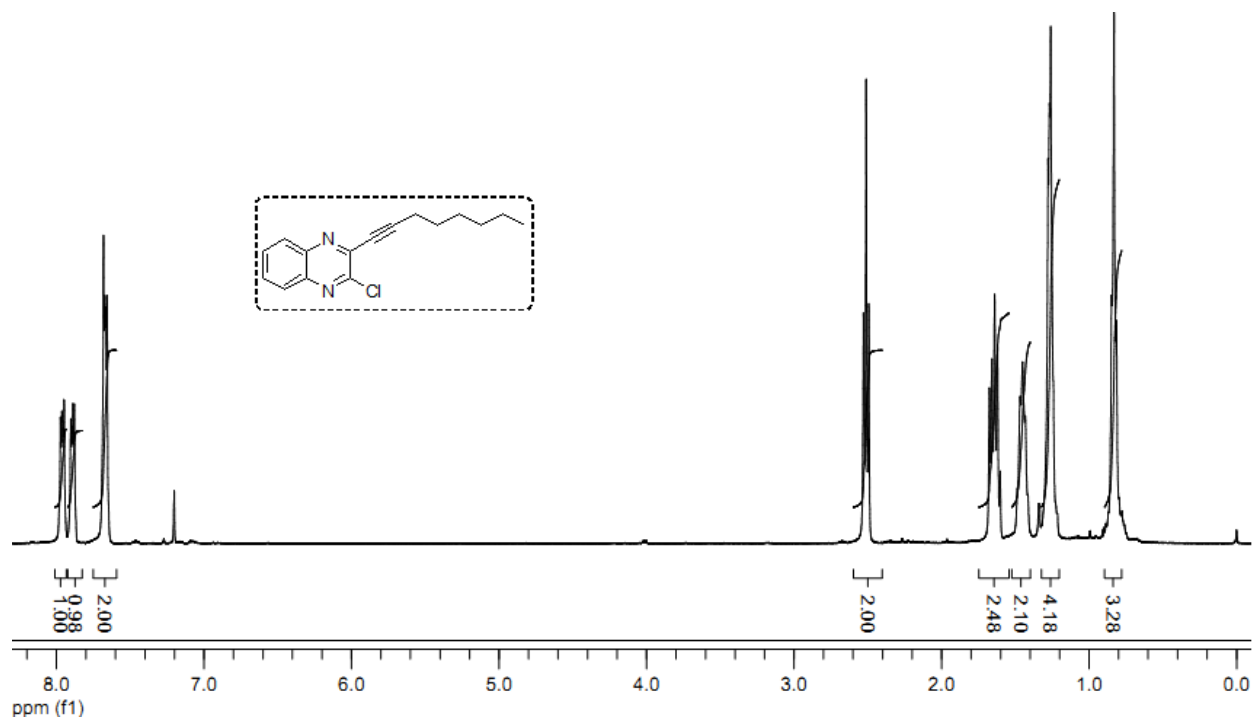
^1H NMR (400 MHz, CDCl_3) – **3d**



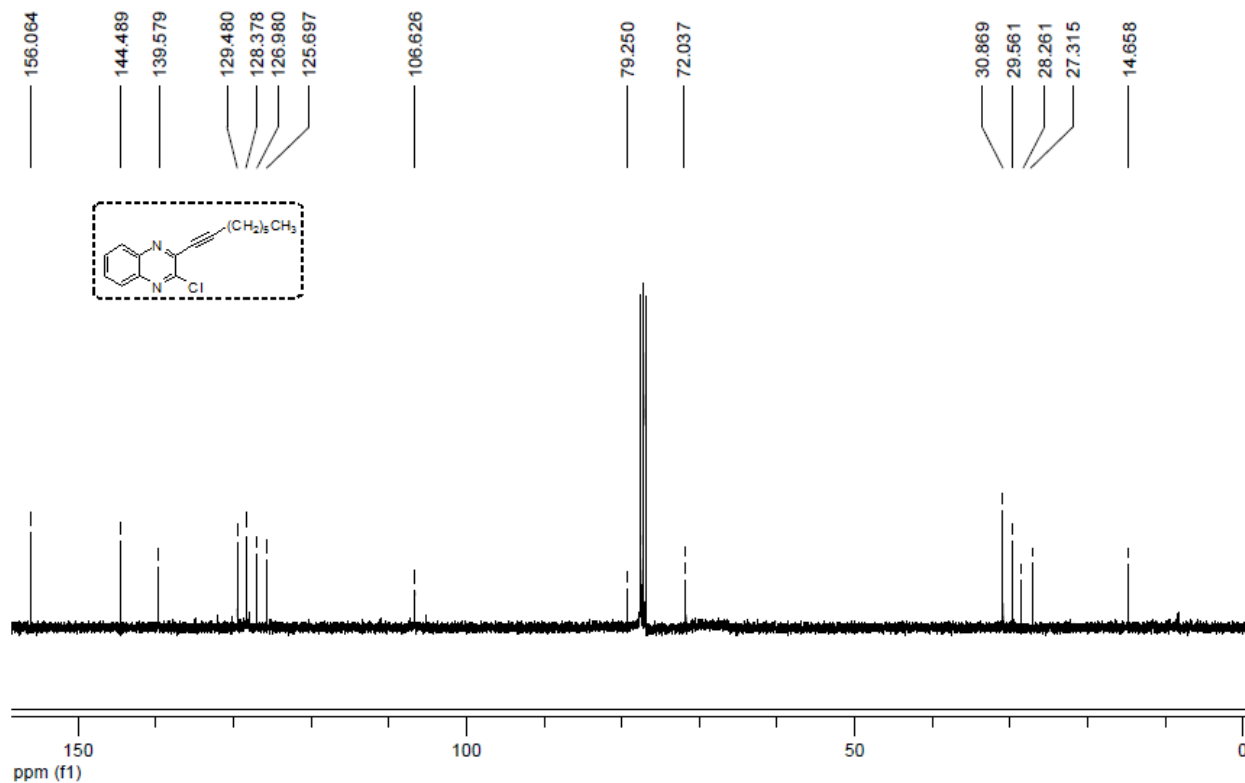
^{13}C NMR (100 MHz, CDCl_3)–**3d**



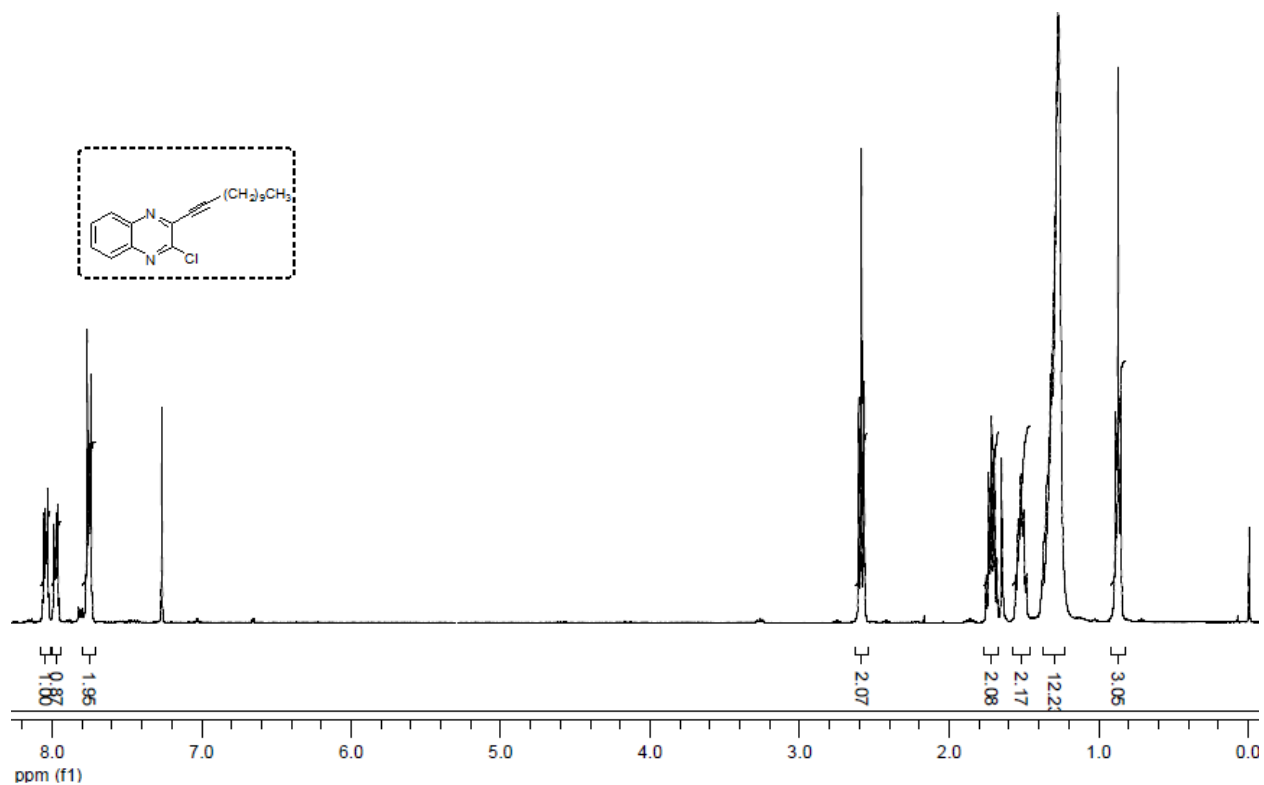
^1H NMR (400 MHz, CDCl_3) – **3e**



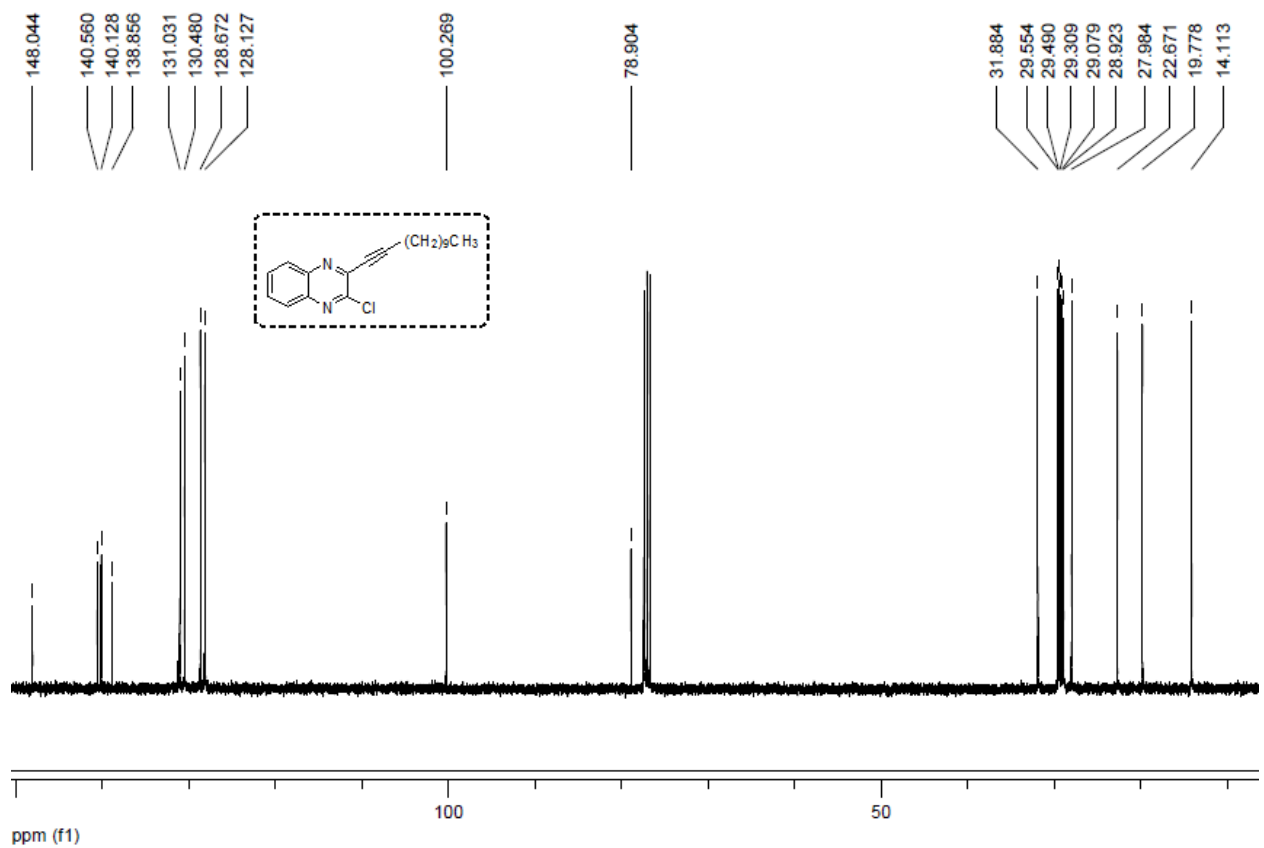
^{13}C NMR (100 MHz, CDCl_3)–**3e**



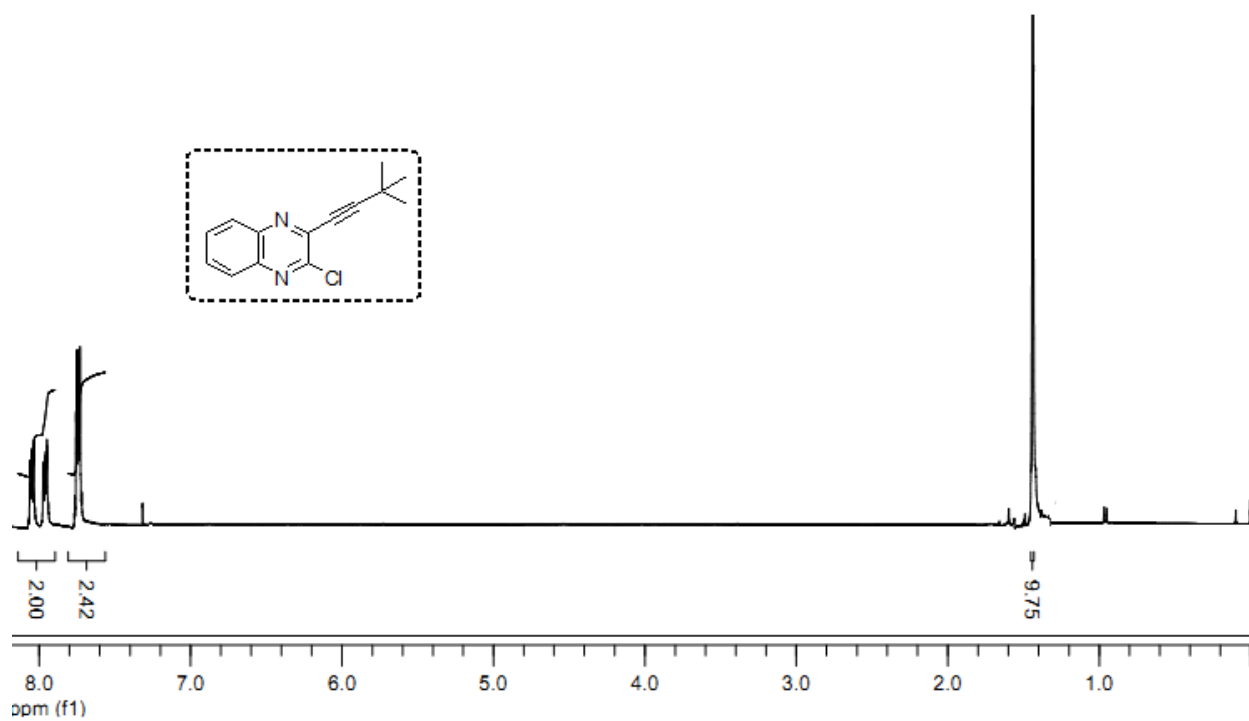
^1H NMR (400 MHz, CDCl_3) – **3f**



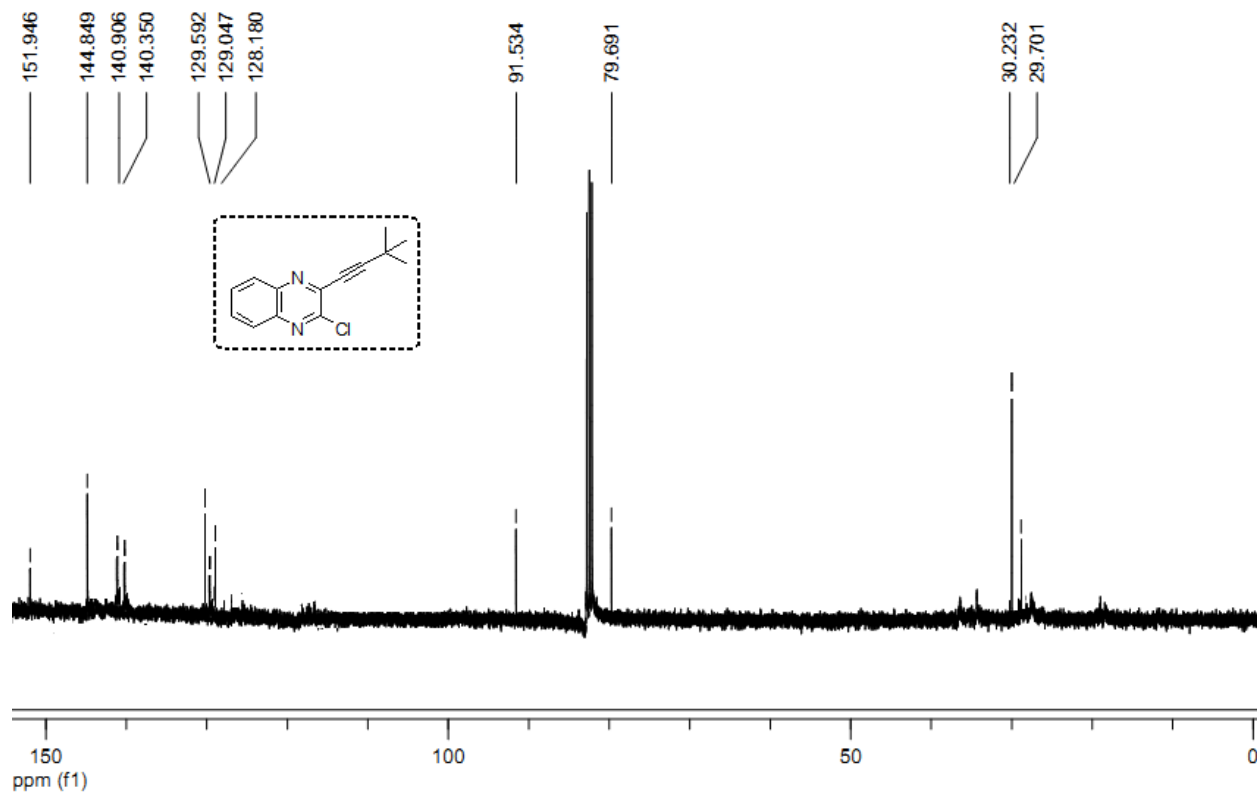
^{13}C NMR (100 MHz, CDCl_3) – **3f**



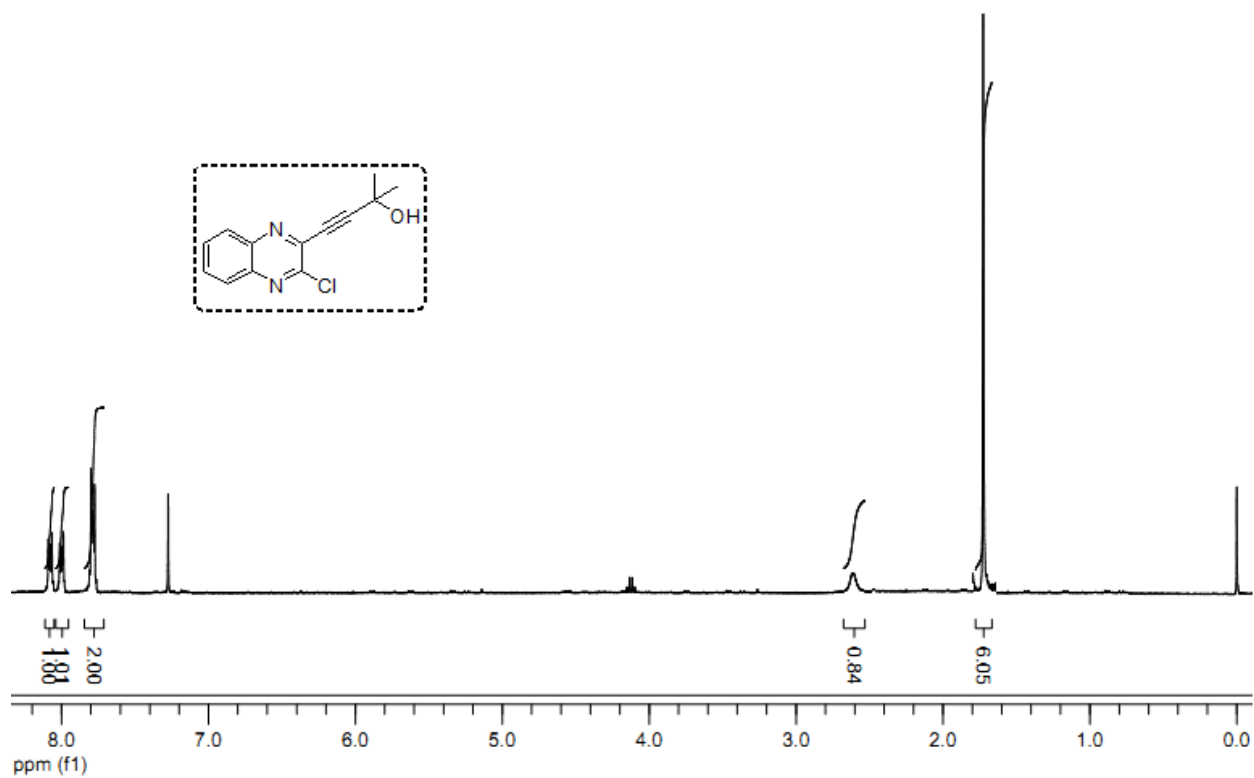
^1H NMR (400 MHz, CDCl_3) – 3g



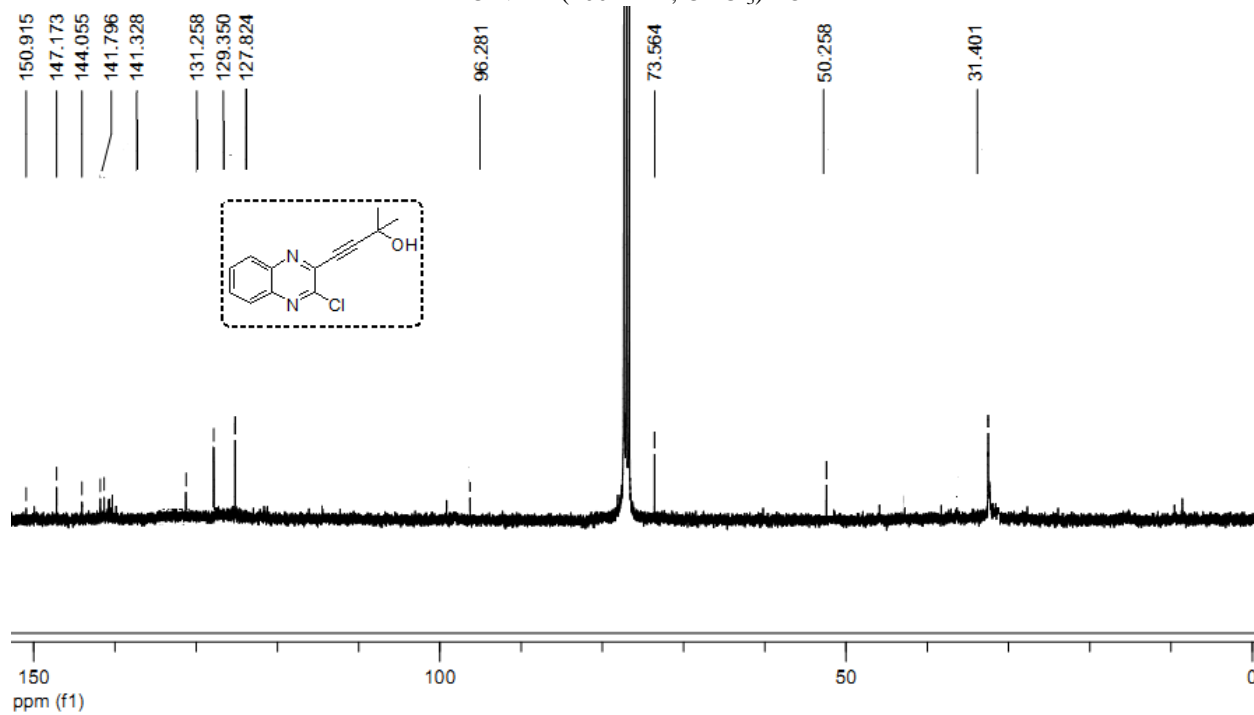
^{13}C NMR (100 MHz, CDCl_3) – 3g



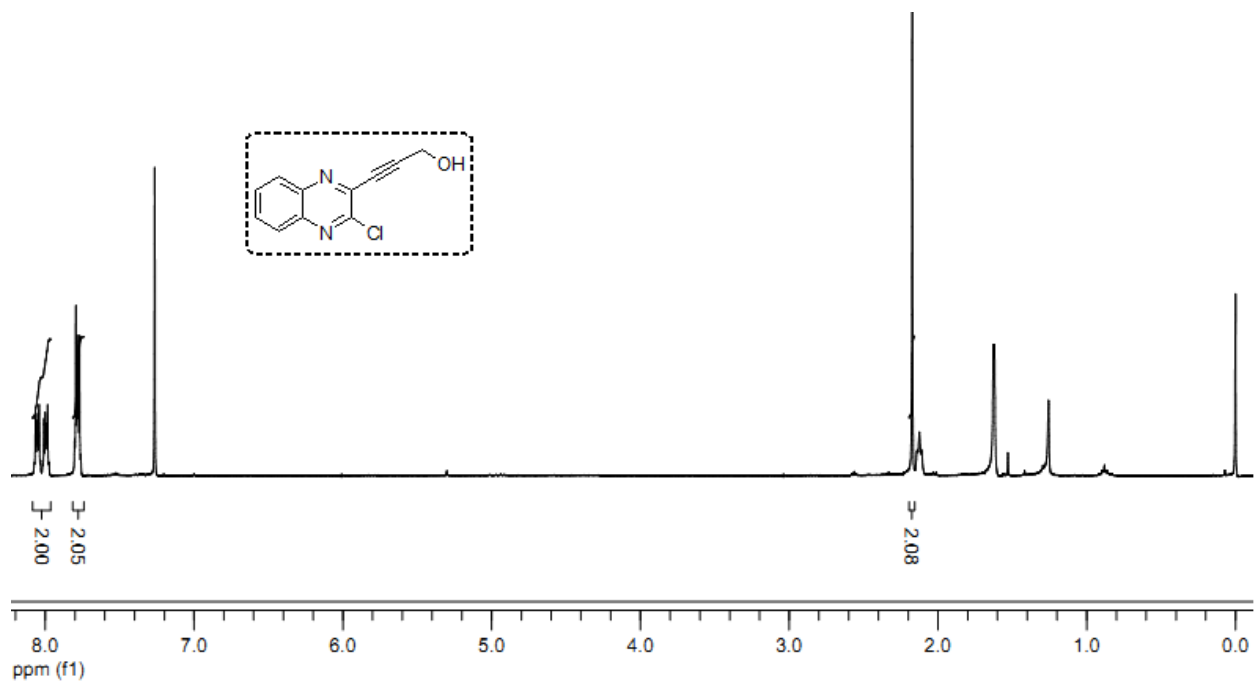
^1H NMR (400 MHz, CDCl_3) – **3h**



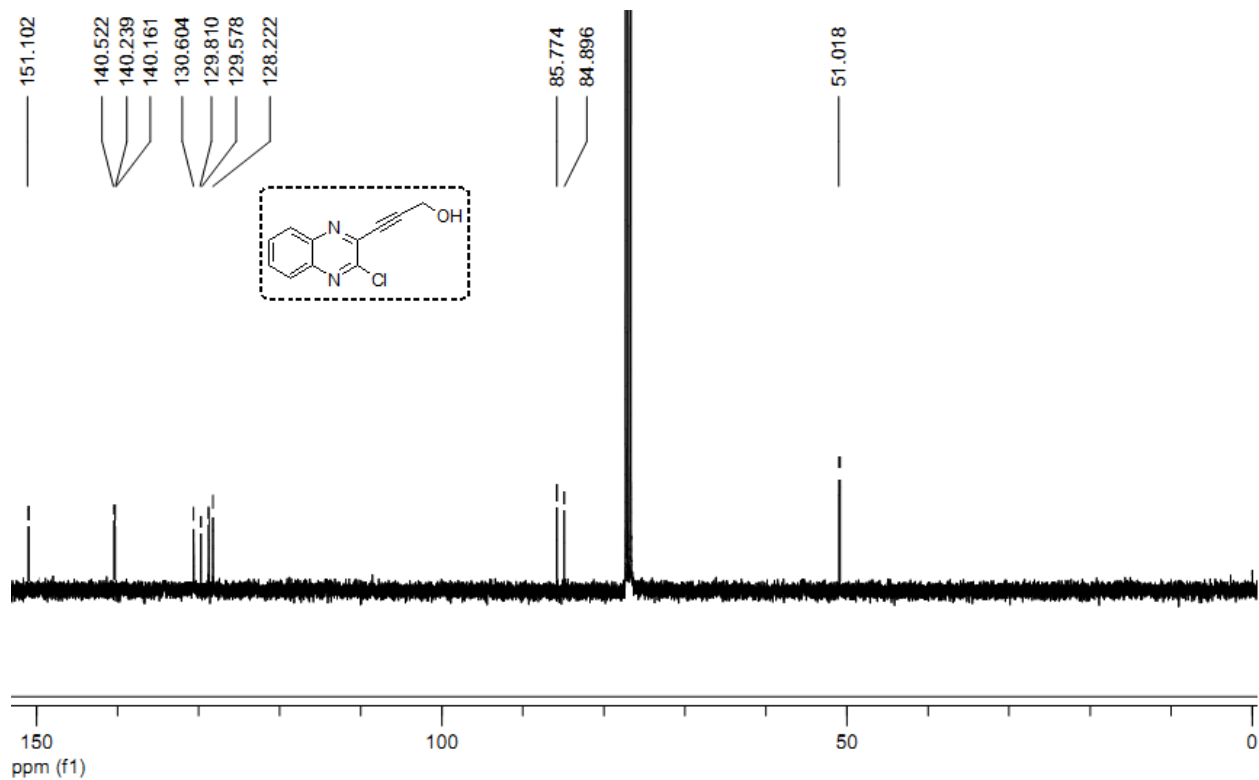
^{13}C NMR (100 MHz, CDCl_3) – **3h**



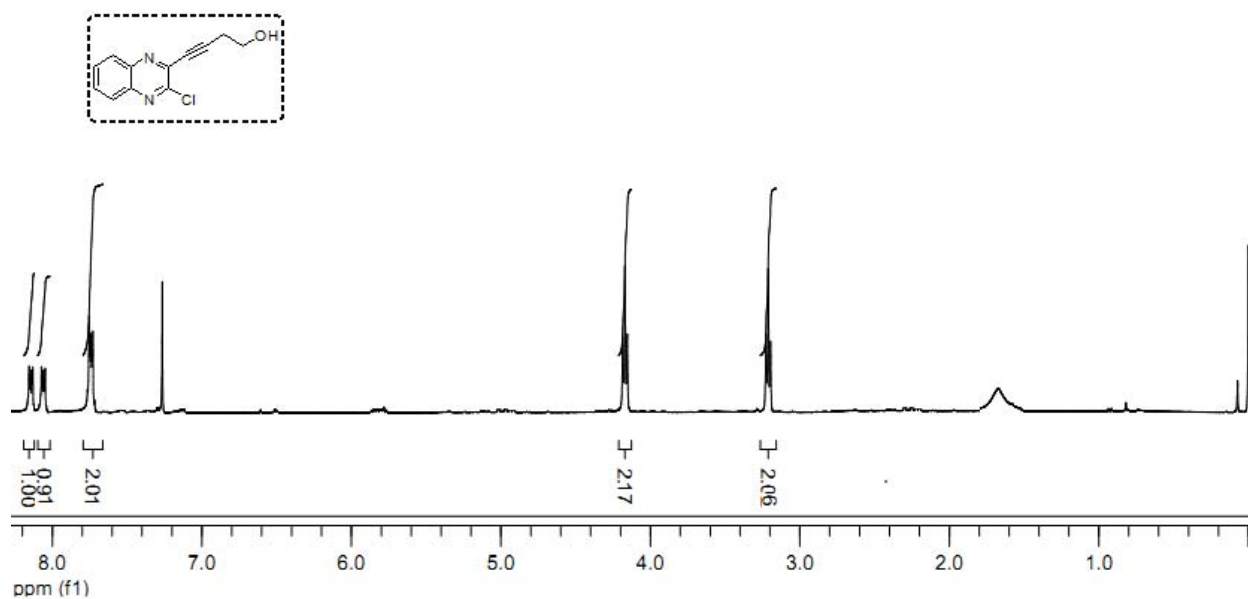
^1H NMR (400 MHz, CDCl_3) – **3i**



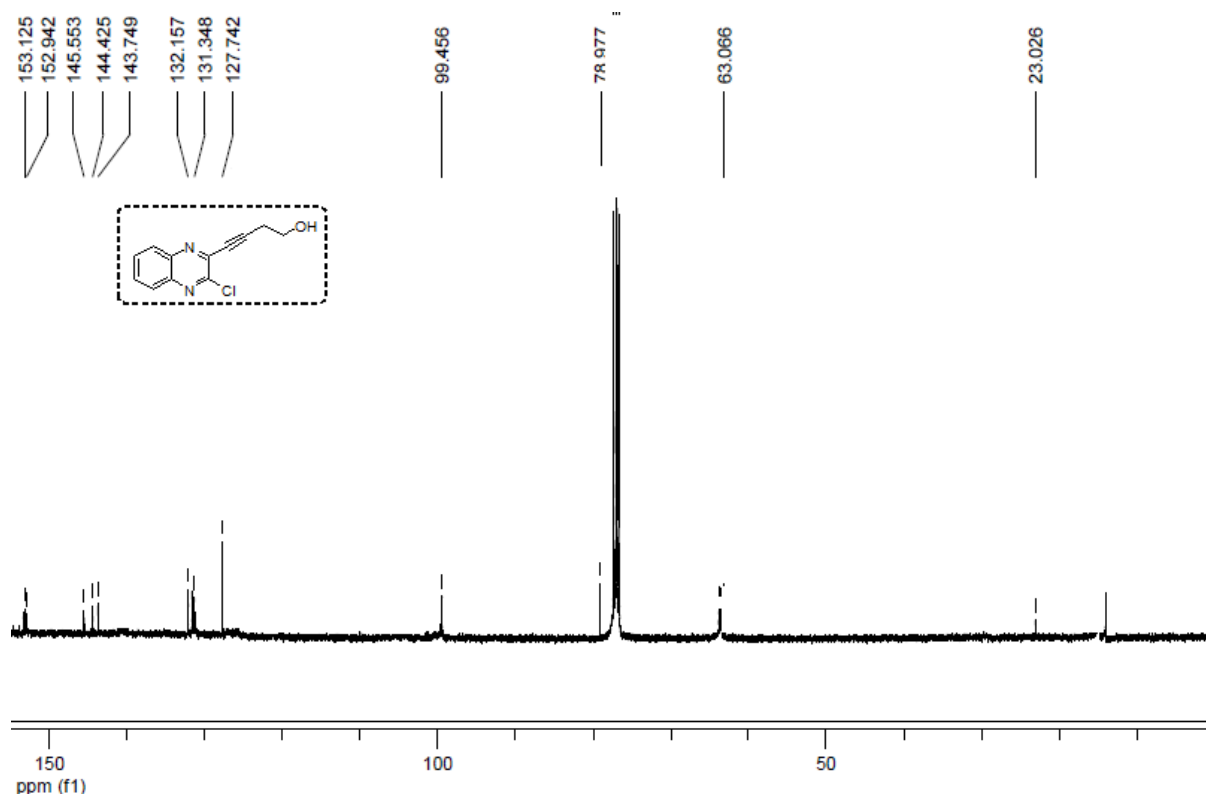
^{13}C NMR (100 MHz, CDCl_3) – **3i**



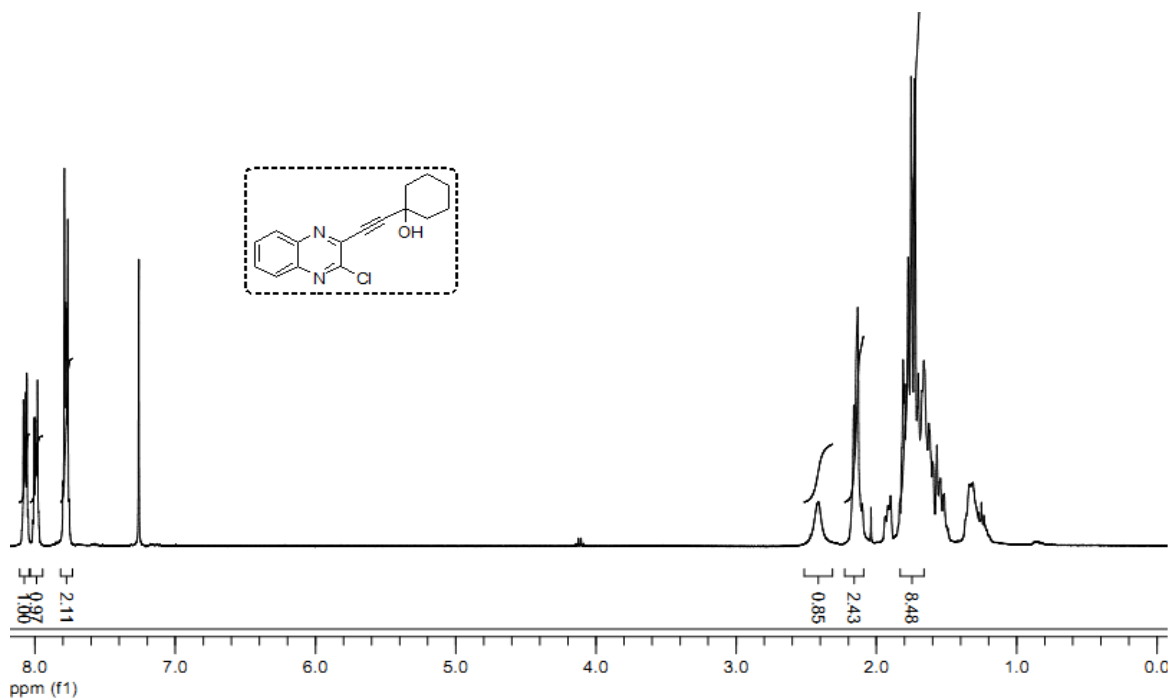
^1H NMR (400 MHz, CDCl_3) – **3j**



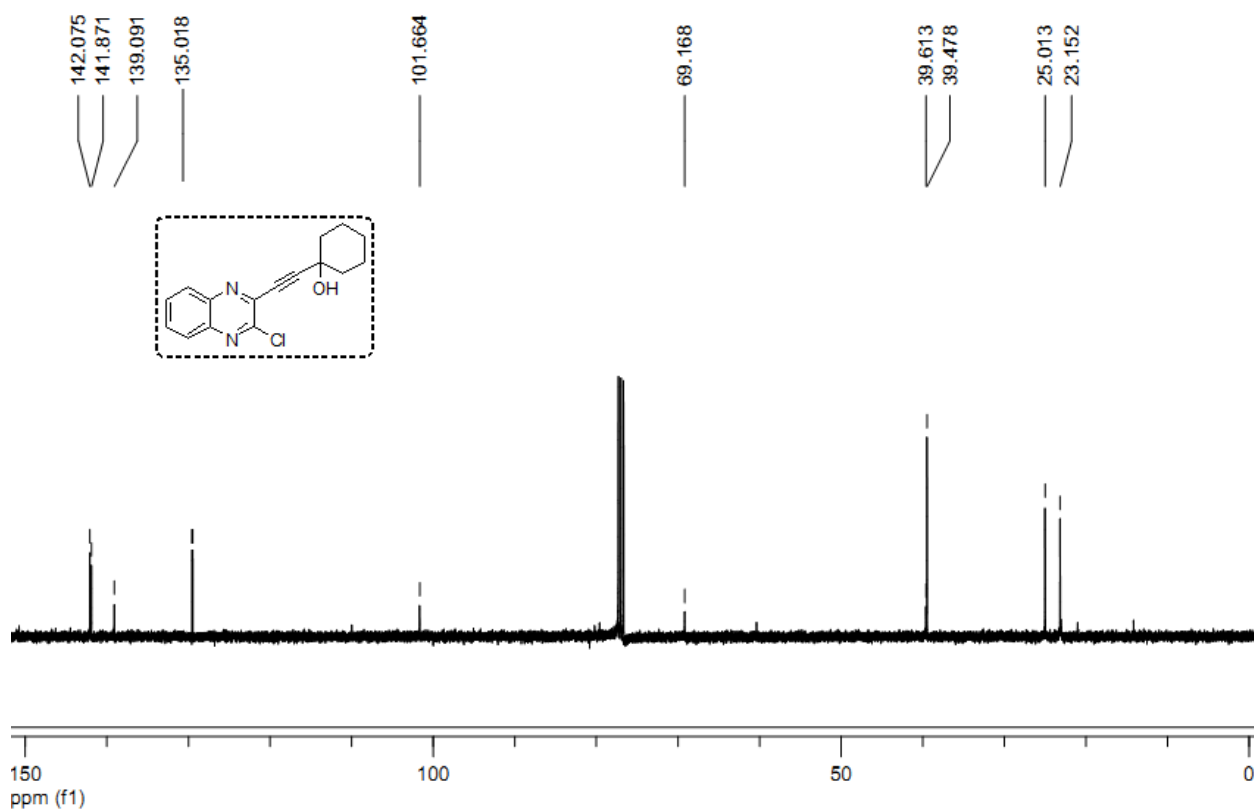
^{13}C NMR (100 MHz, CDCl_3) – **3j**



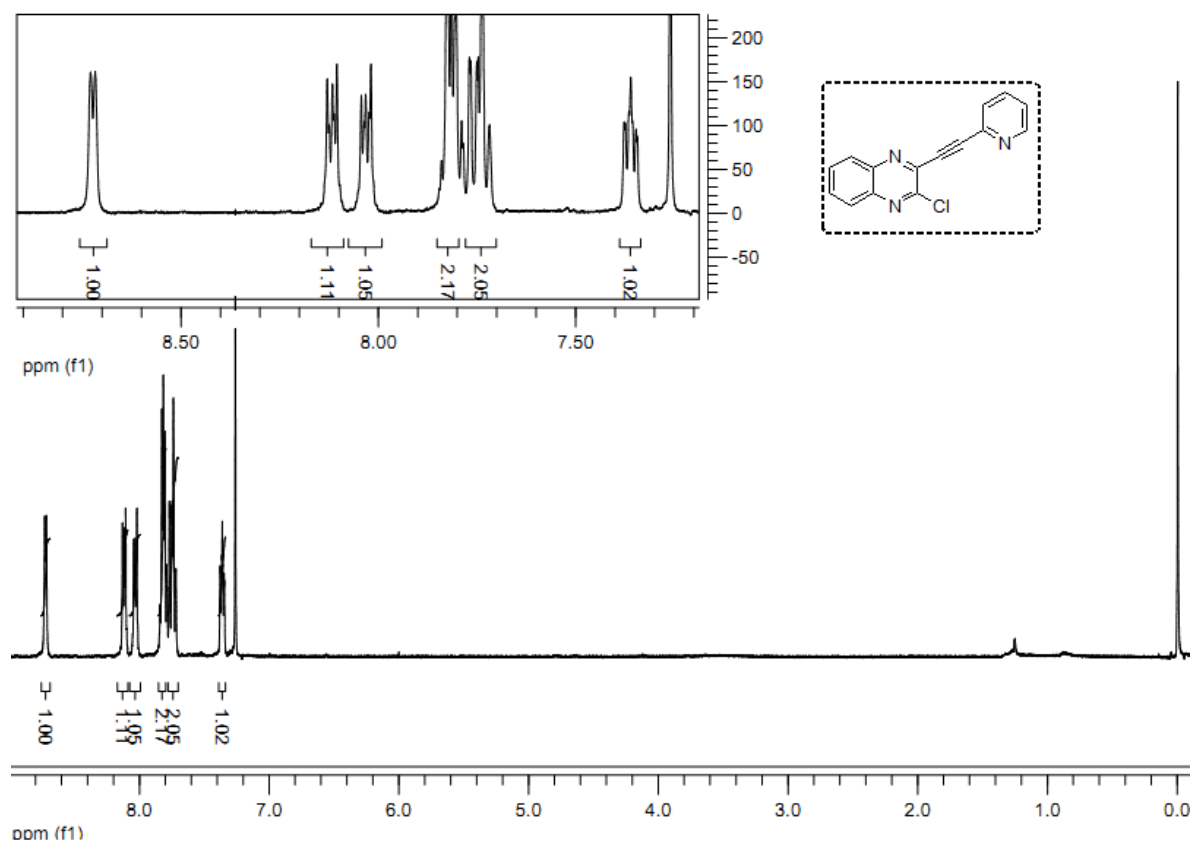
^1H NMR (400 MHz, CDCl_3) – **3k**



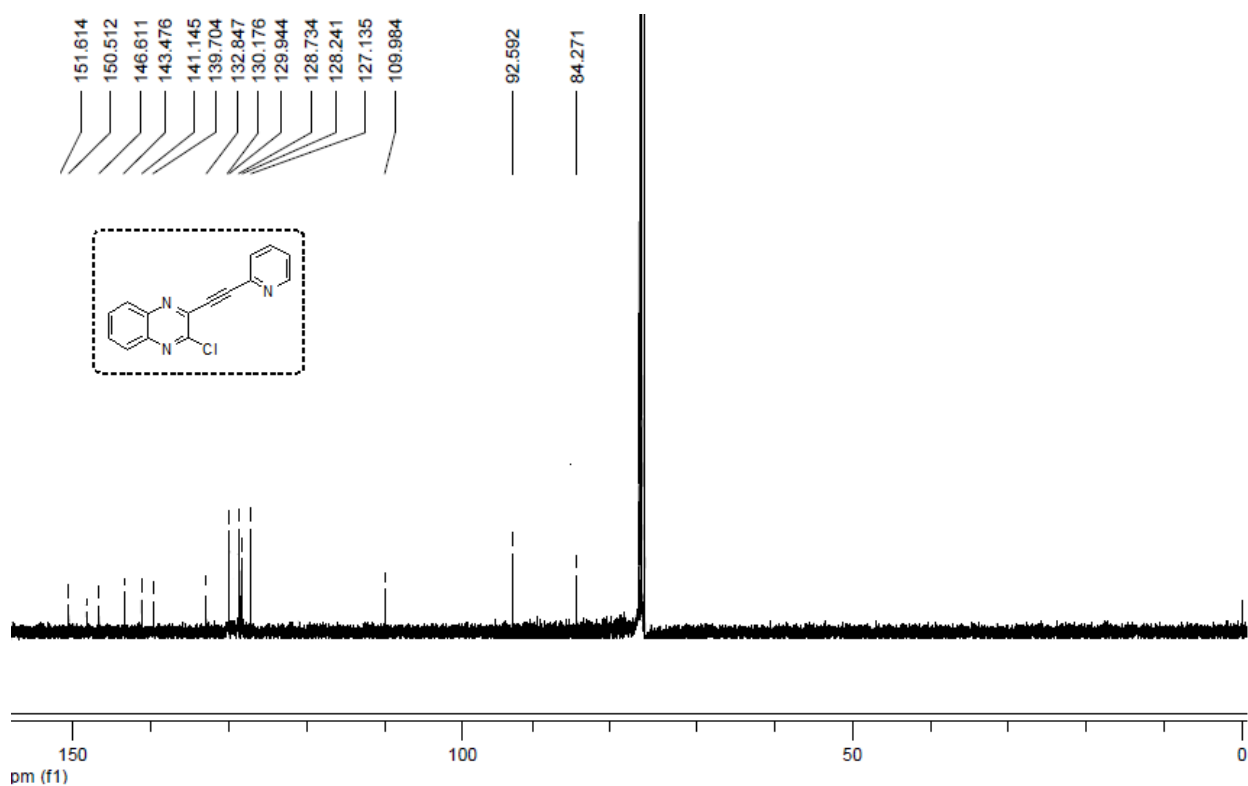
^{13}C NMR (100 MHz, CDCl_3) – **3k**



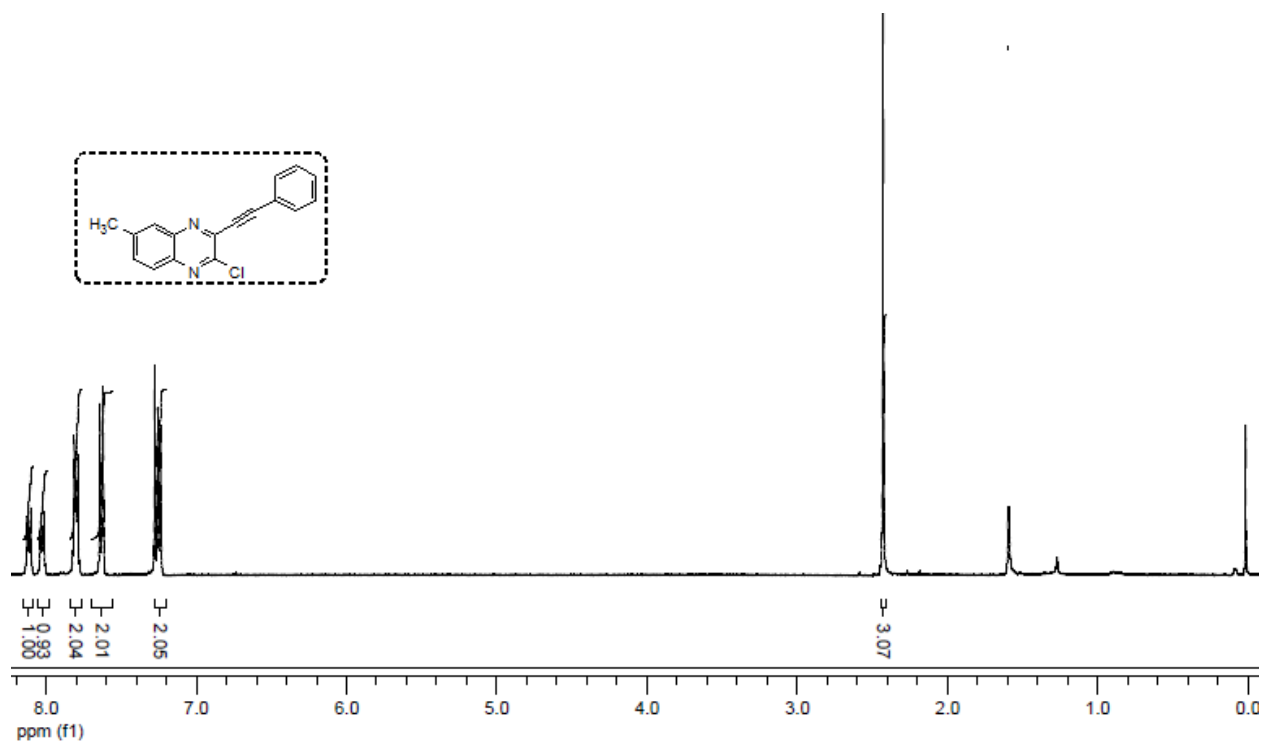
^1H NMR (400 MHz, CDCl_3) – **31**



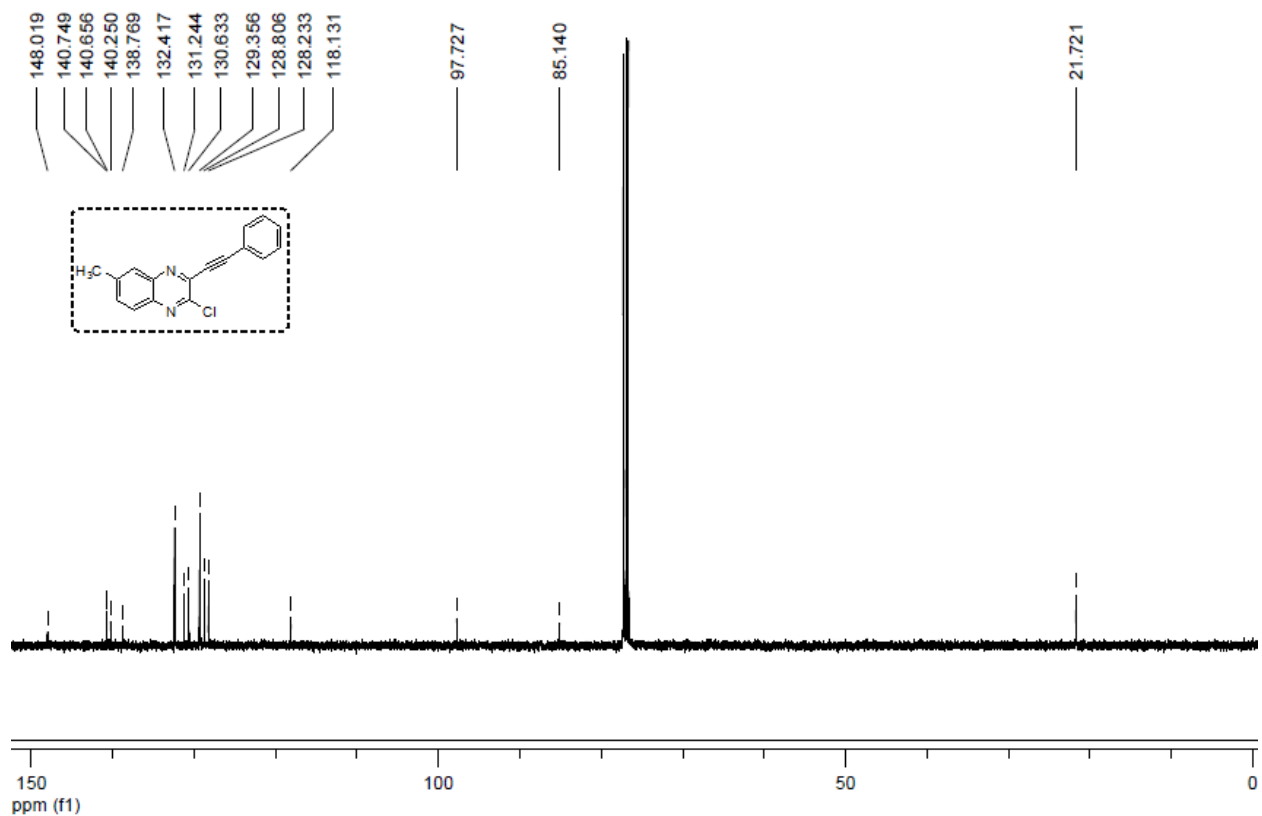
^{13}C NMR (100 MHz, CDCl_3) – **31**



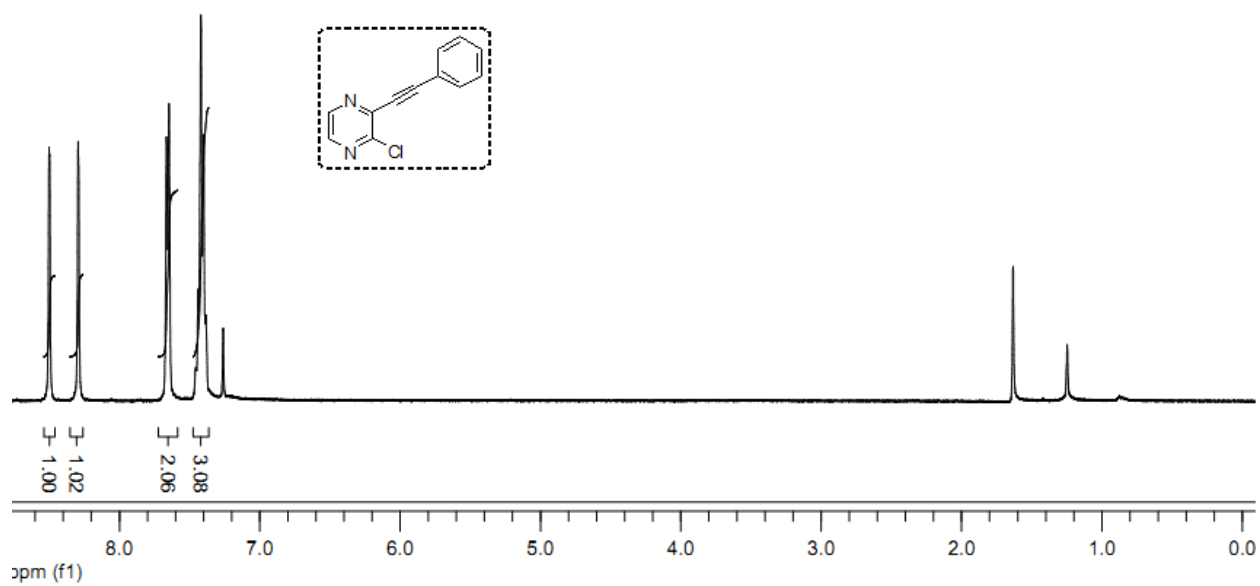
^1H NMR (400 MHz, CDCl_3) – **3m**



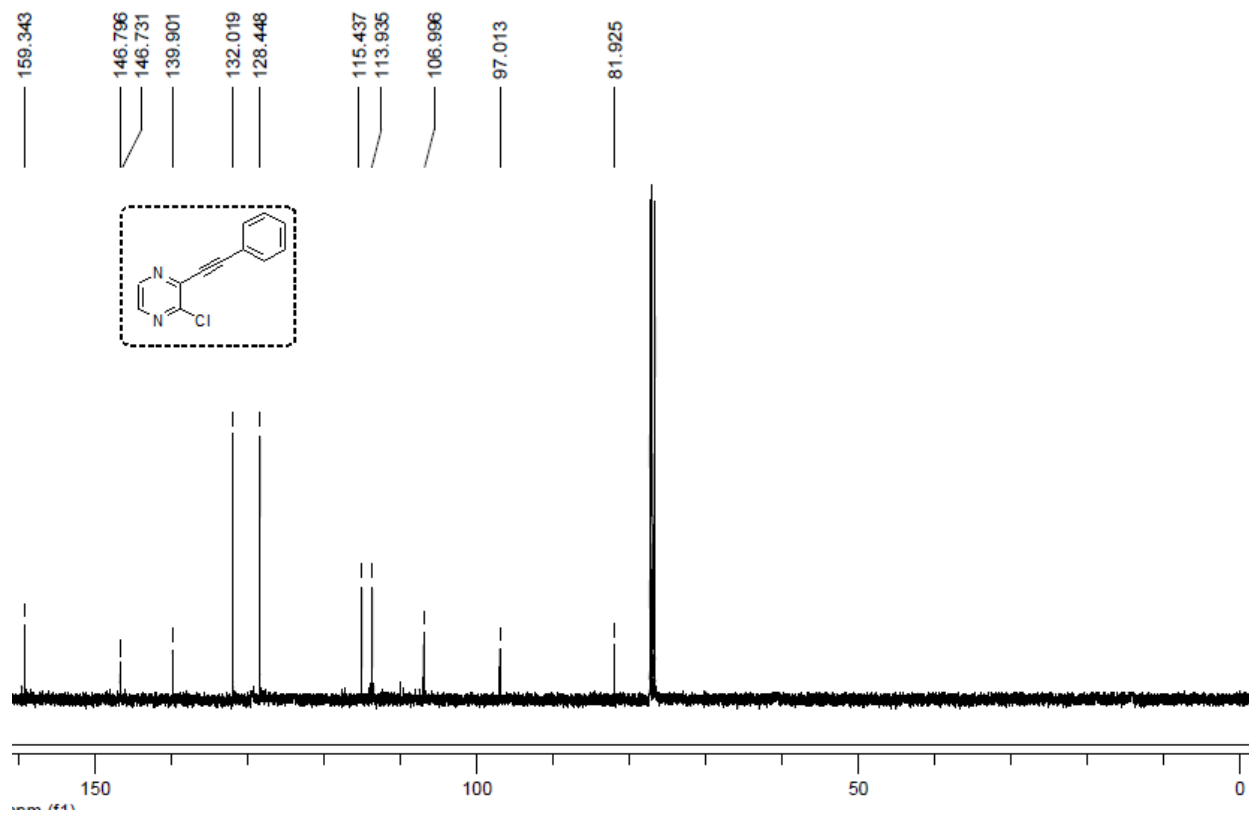
^{13}C NMR (100 MHz, CDCl_3) – **3m**



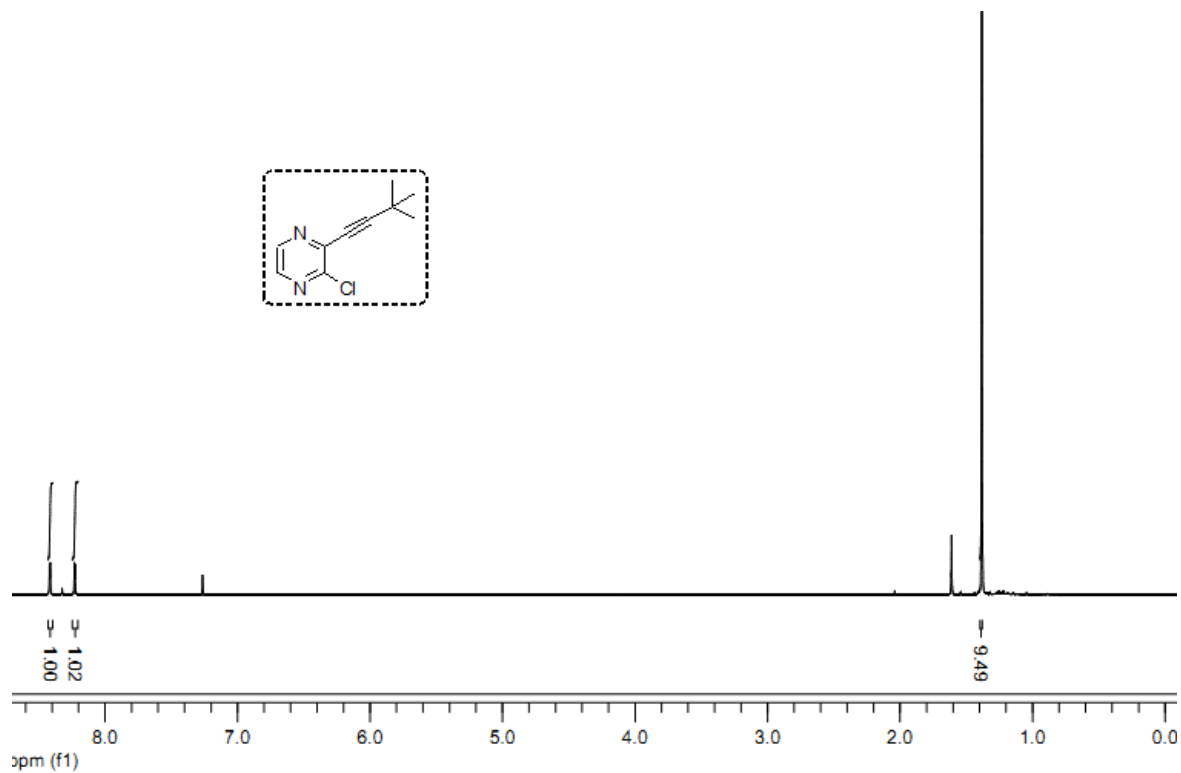
^1H NMR (400 MHz, CDCl_3) – **3o**



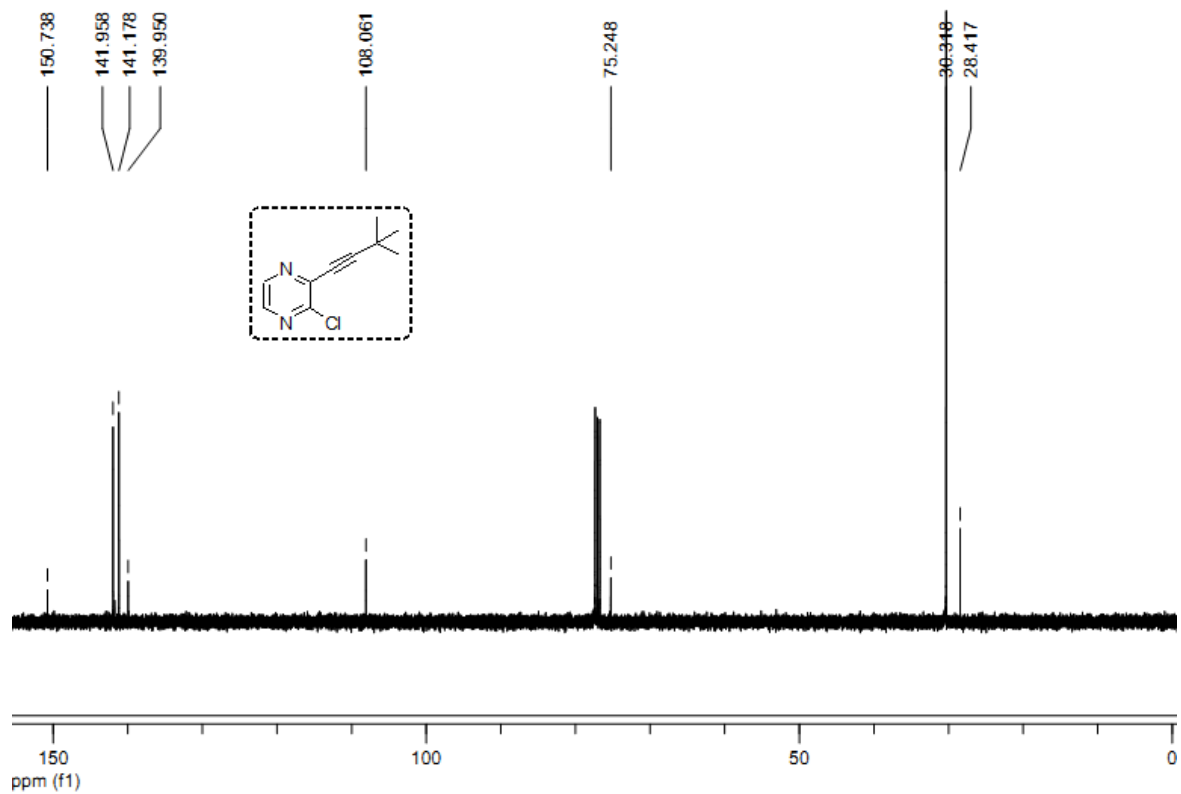
^{13}C NMR (100 MHz, CDCl_3) – **3o**



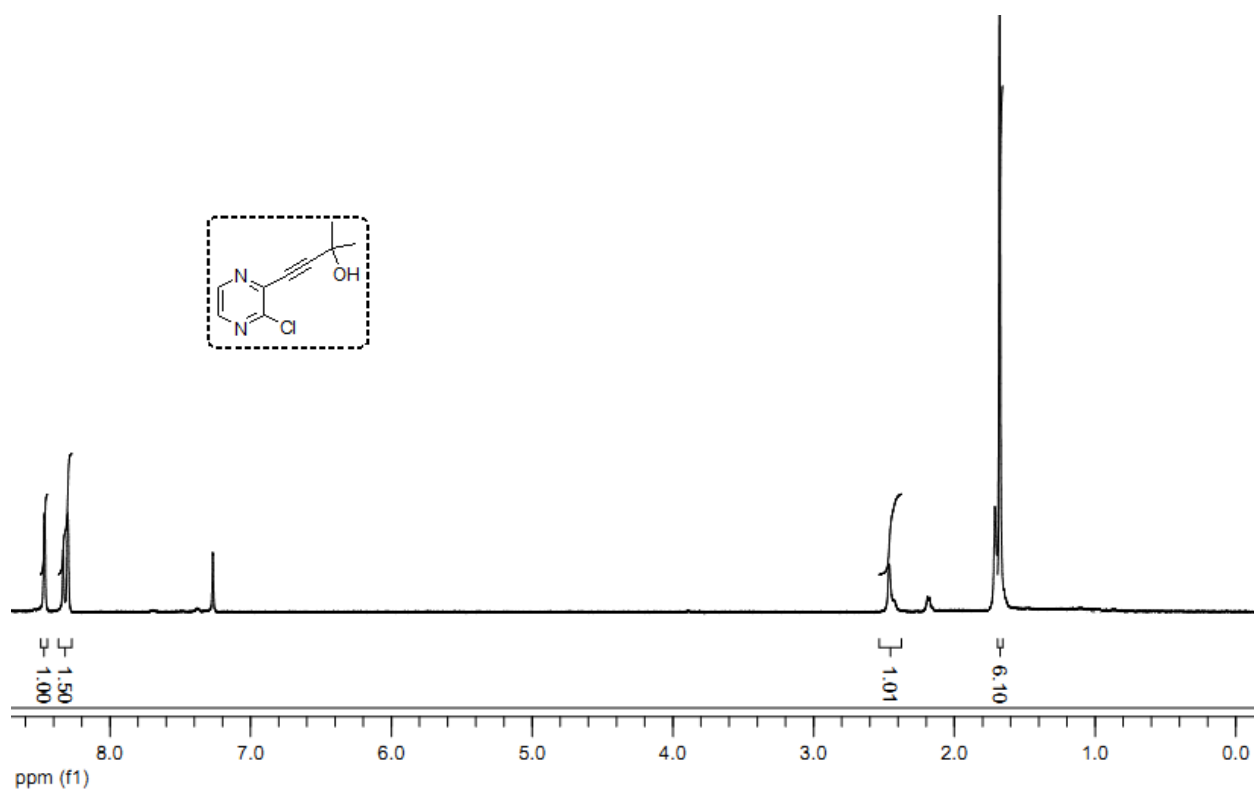
^1H NMR (400 MHz, CDCl_3) – **3p**



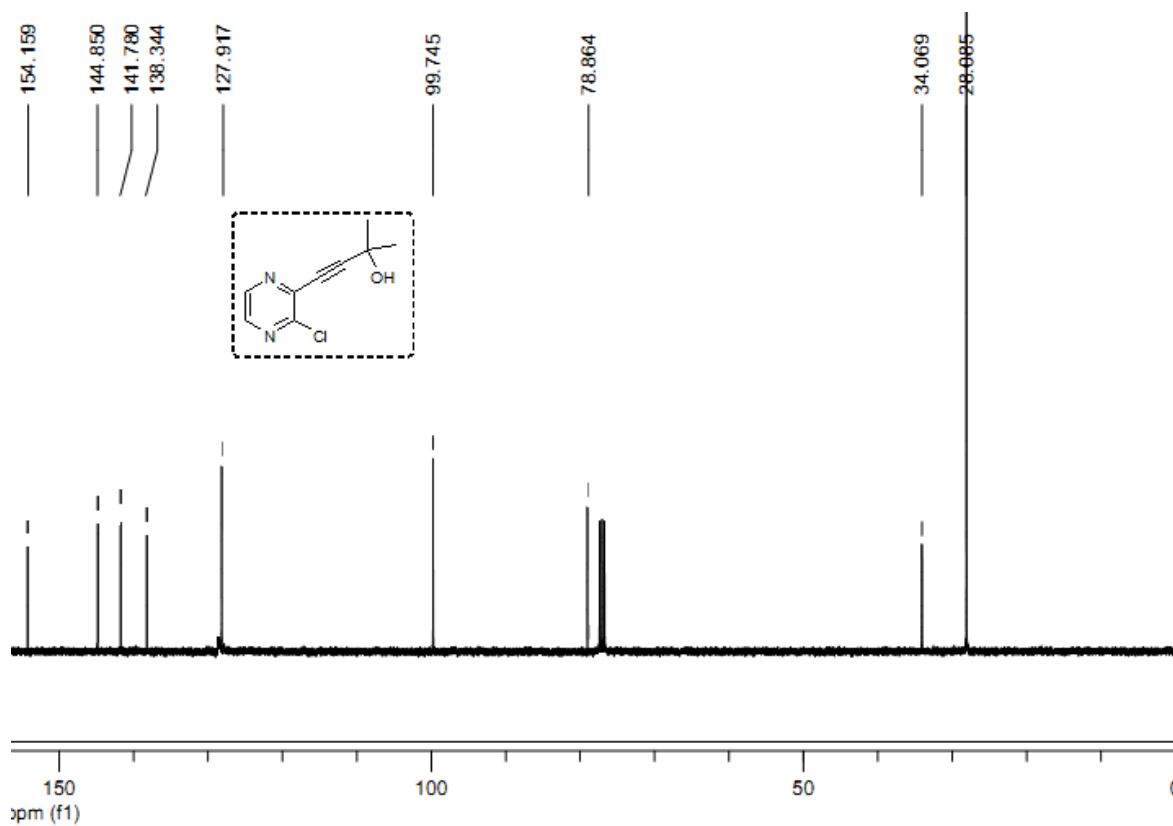
^{13}C NMR (100 MHz, CDCl_3) – **3p**



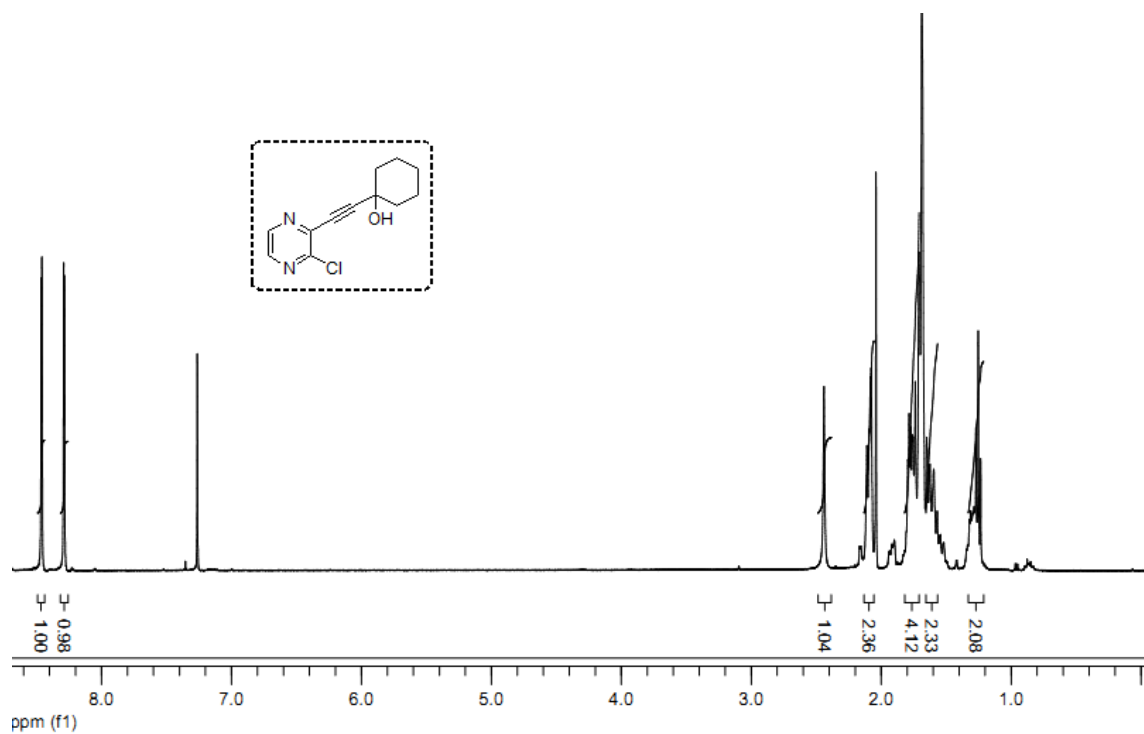
^1H NMR (400 MHz, CDCl_3) – **3q**



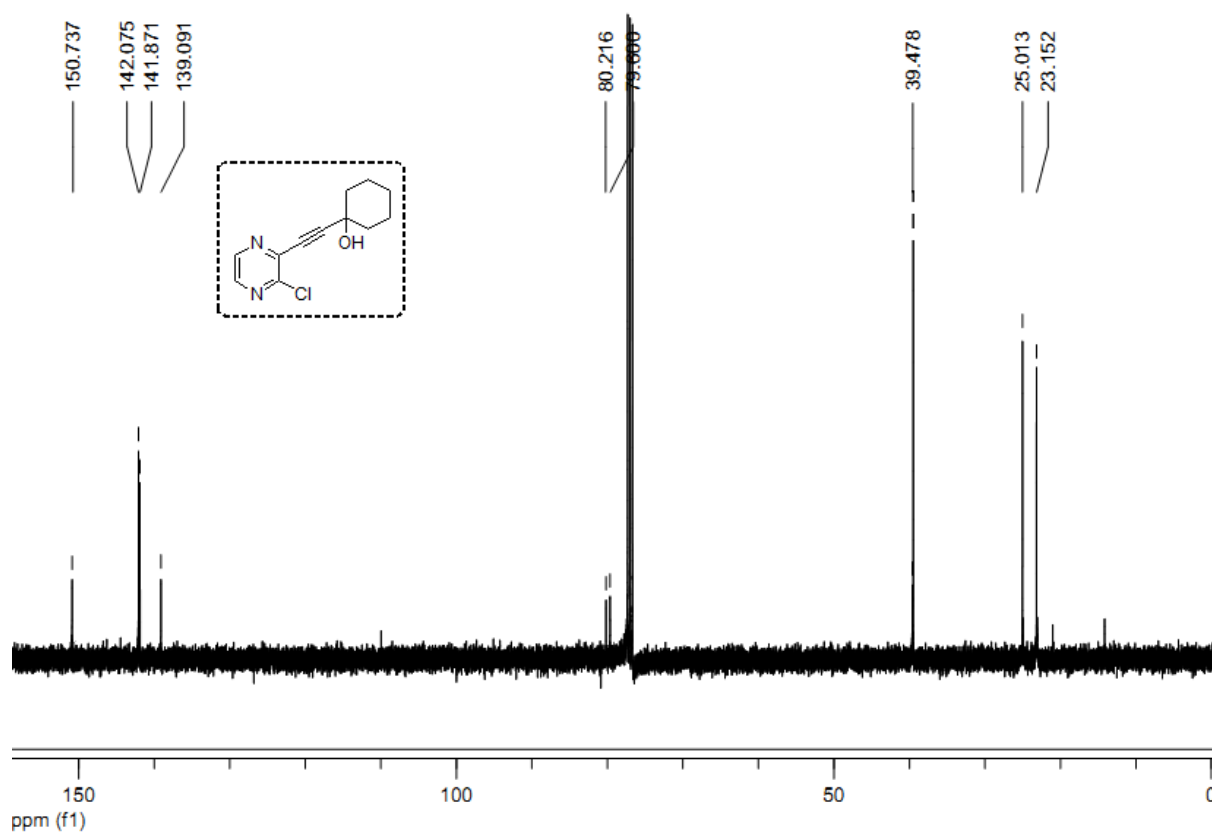
^{13}C NMR (100 MHz, CDCl_3) – **3q**



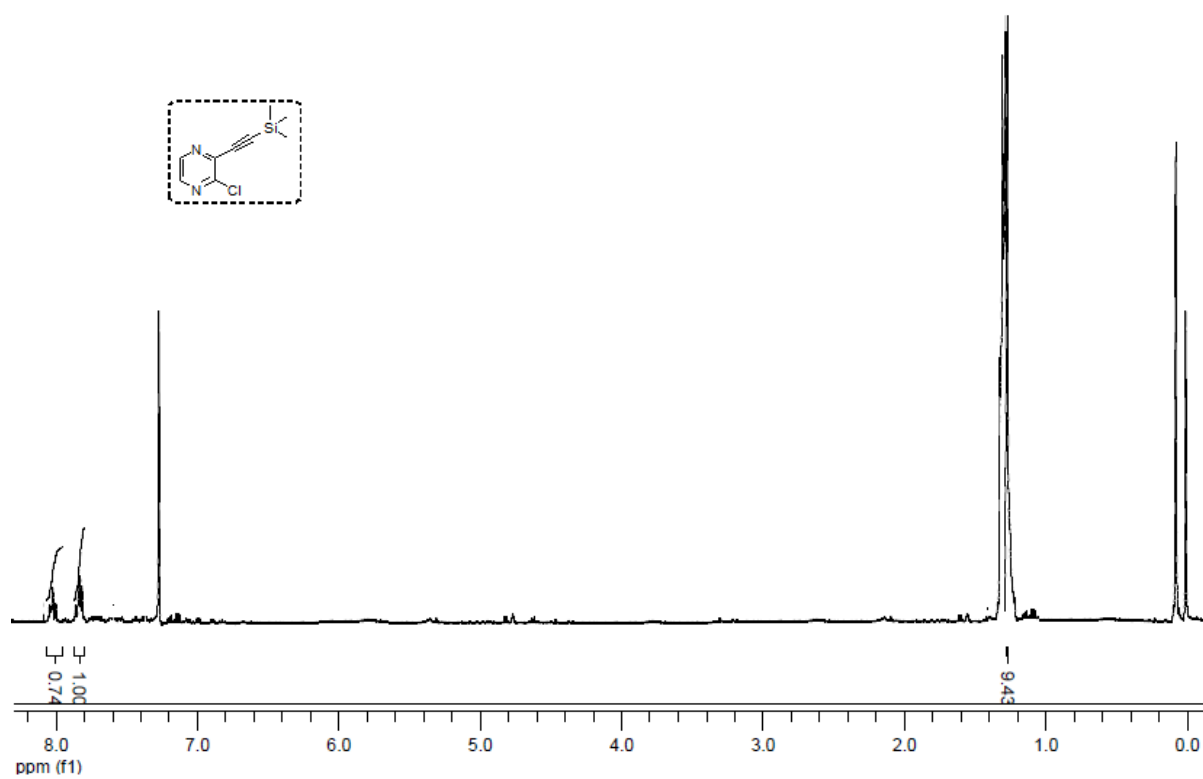
^1H NMR (400 MHz, CDCl_3) – **3r**



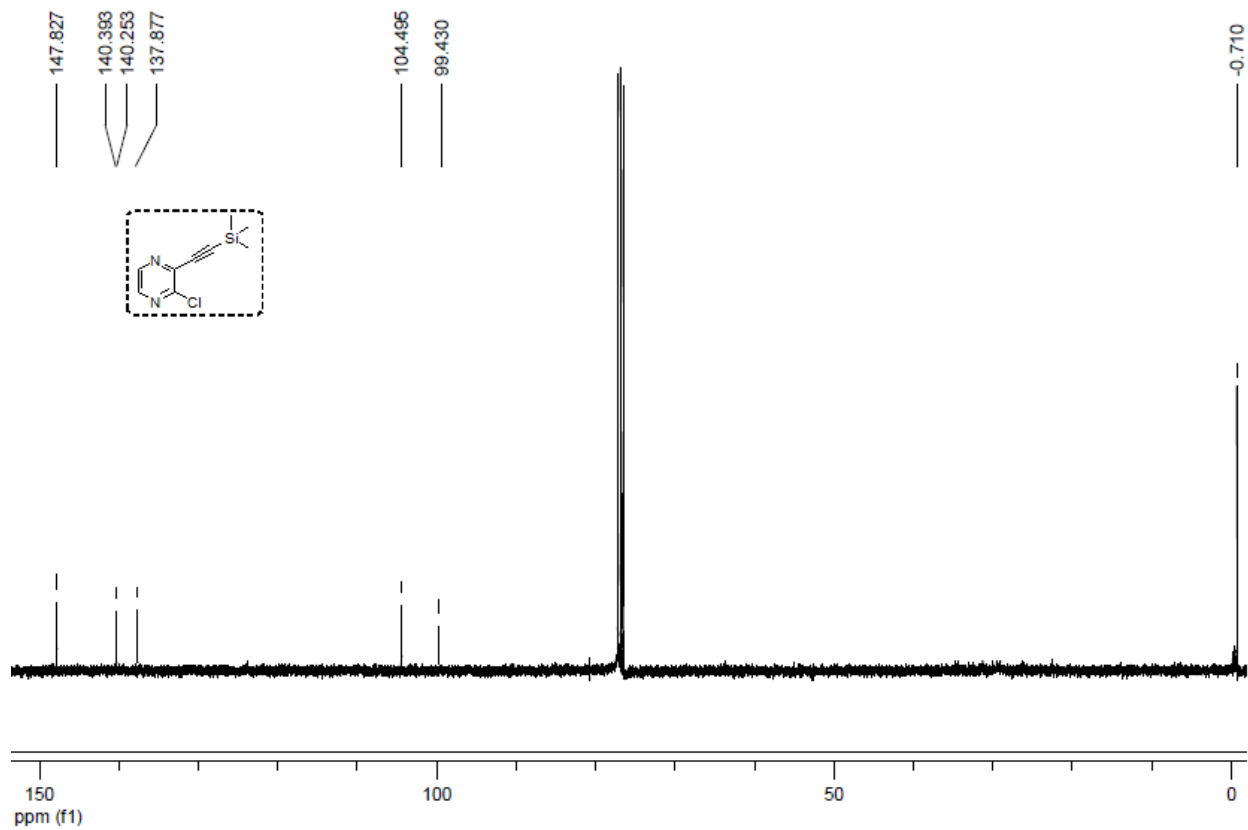
^{13}C NMR (100 MHz, CDCl_3) – **3r**



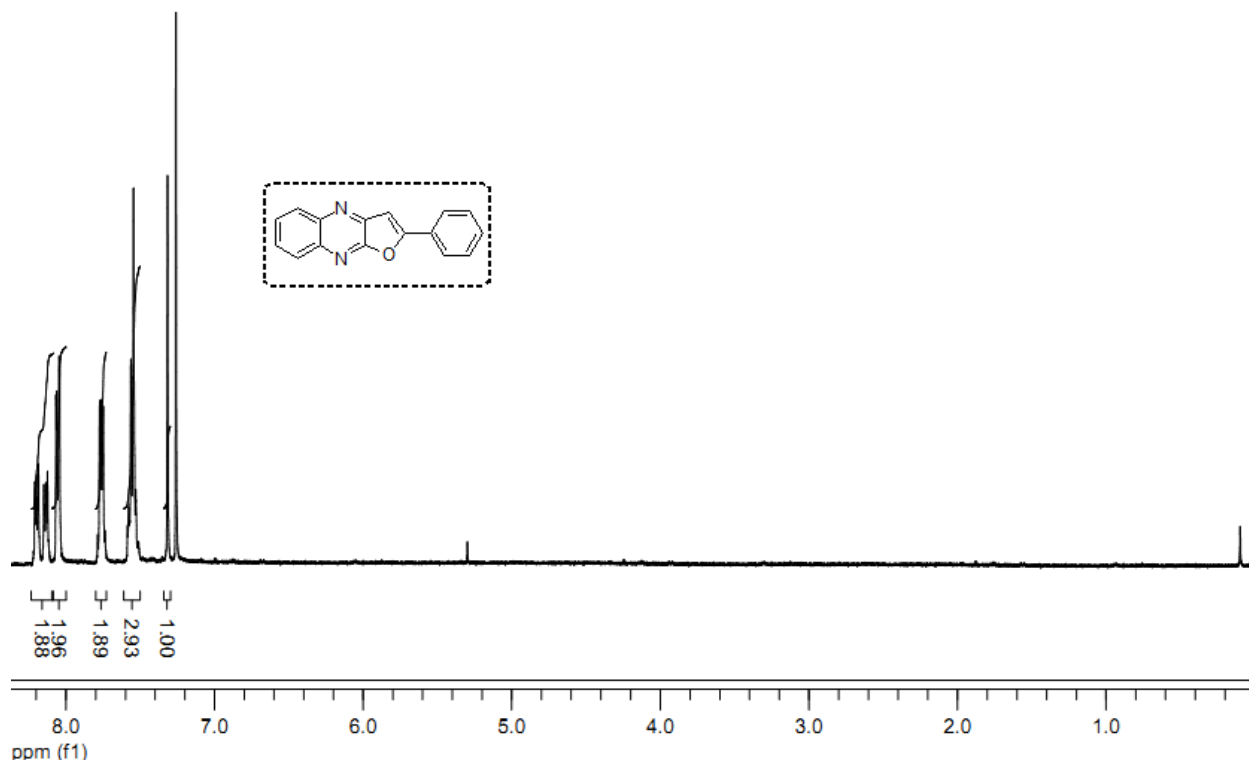
^1H NMR (400 MHz, CDCl_3) – 3s



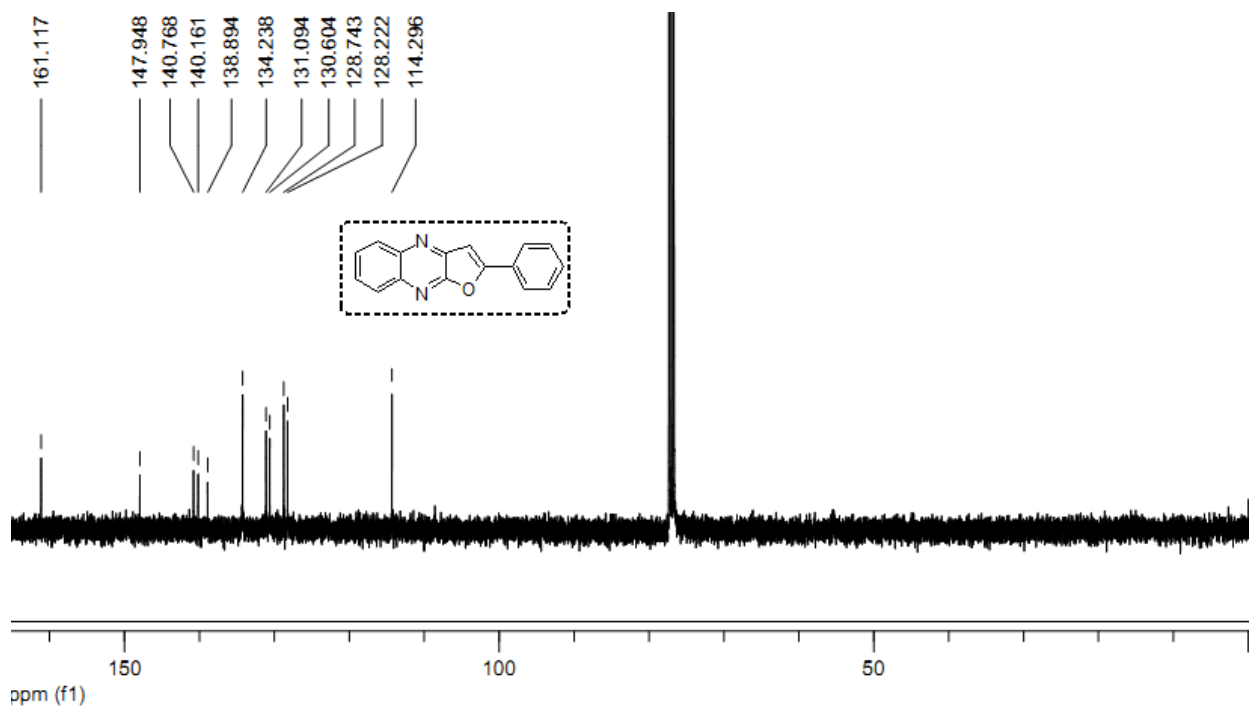
^{13}C NMR (100 MHz, CDCl_3) – 3s



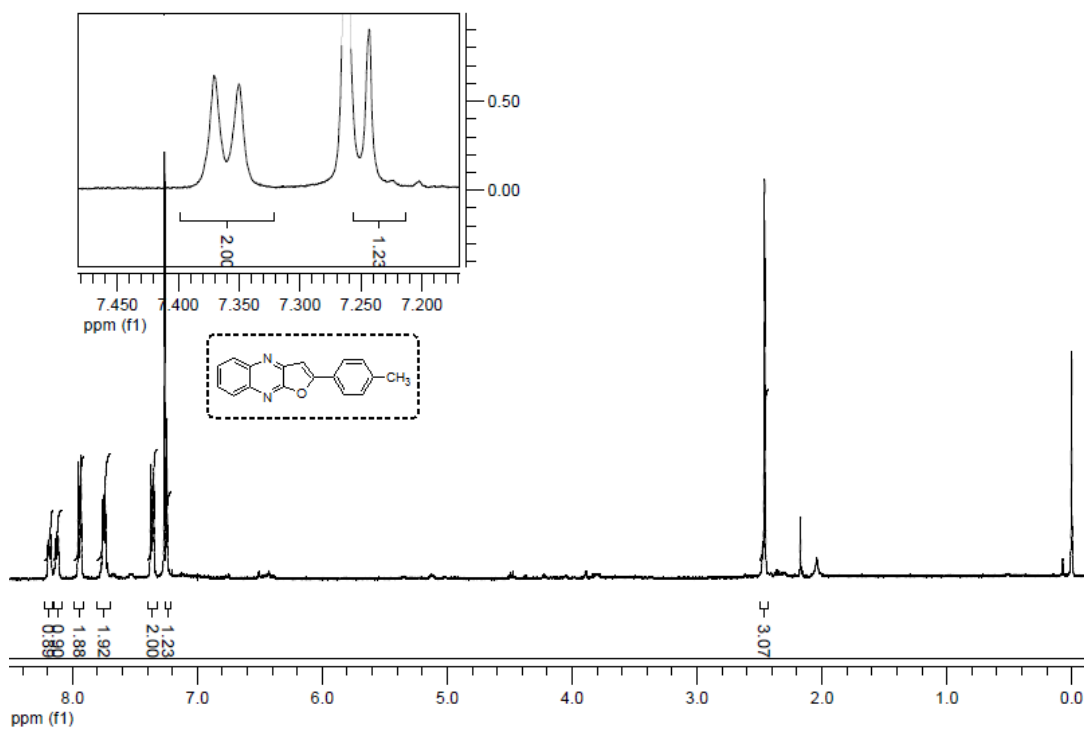
^1H NMR (400 MHz, CDCl_3) - **4a**



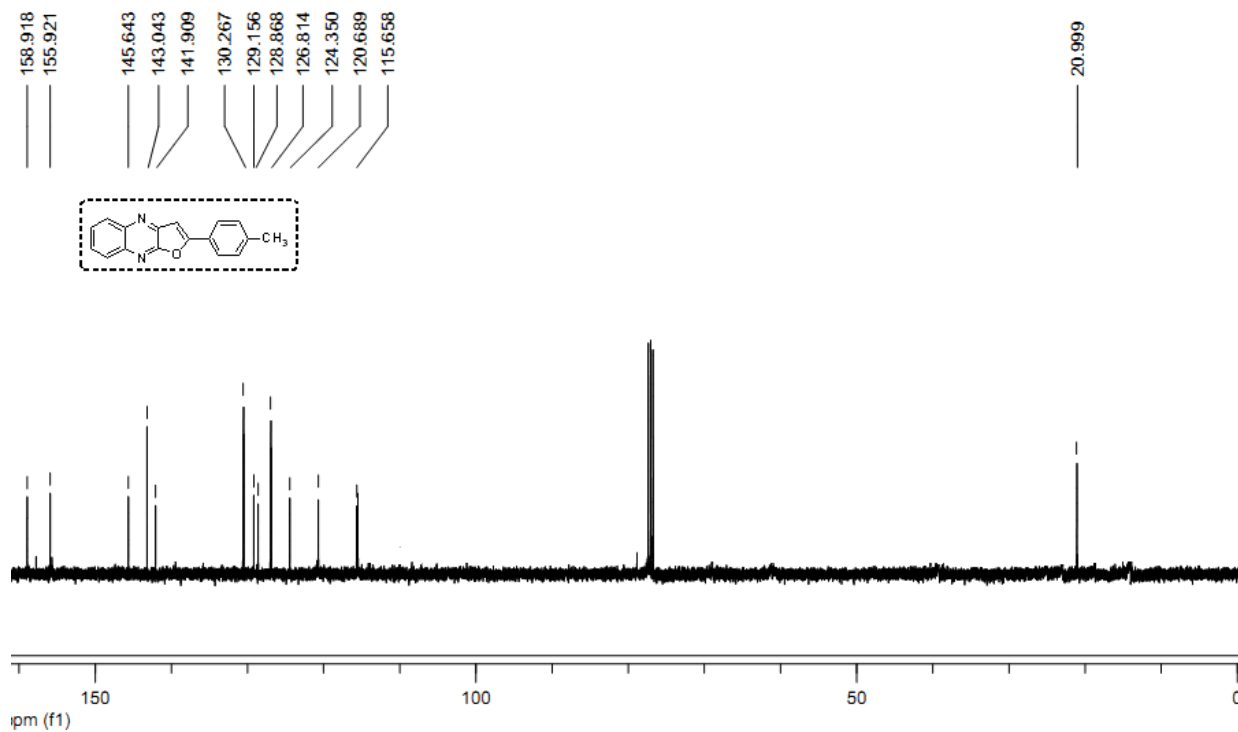
^{13}C NMR (100 MHz, CDCl_3) - **4a**



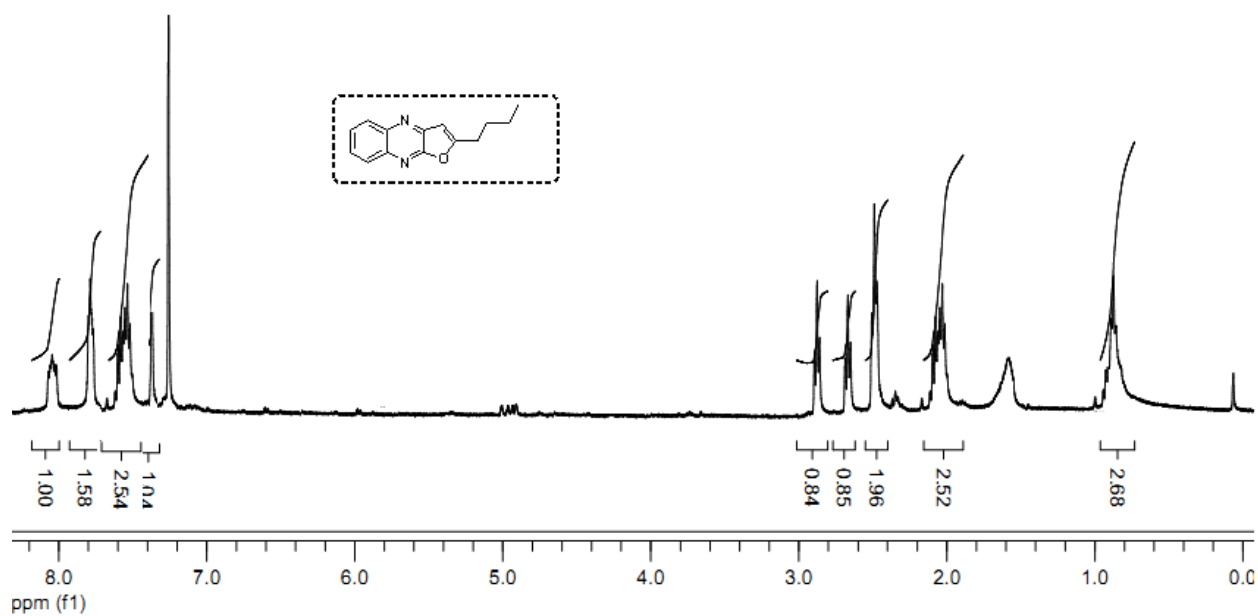
^1H NMR (400 MHz, CDCl_3) – **4b**



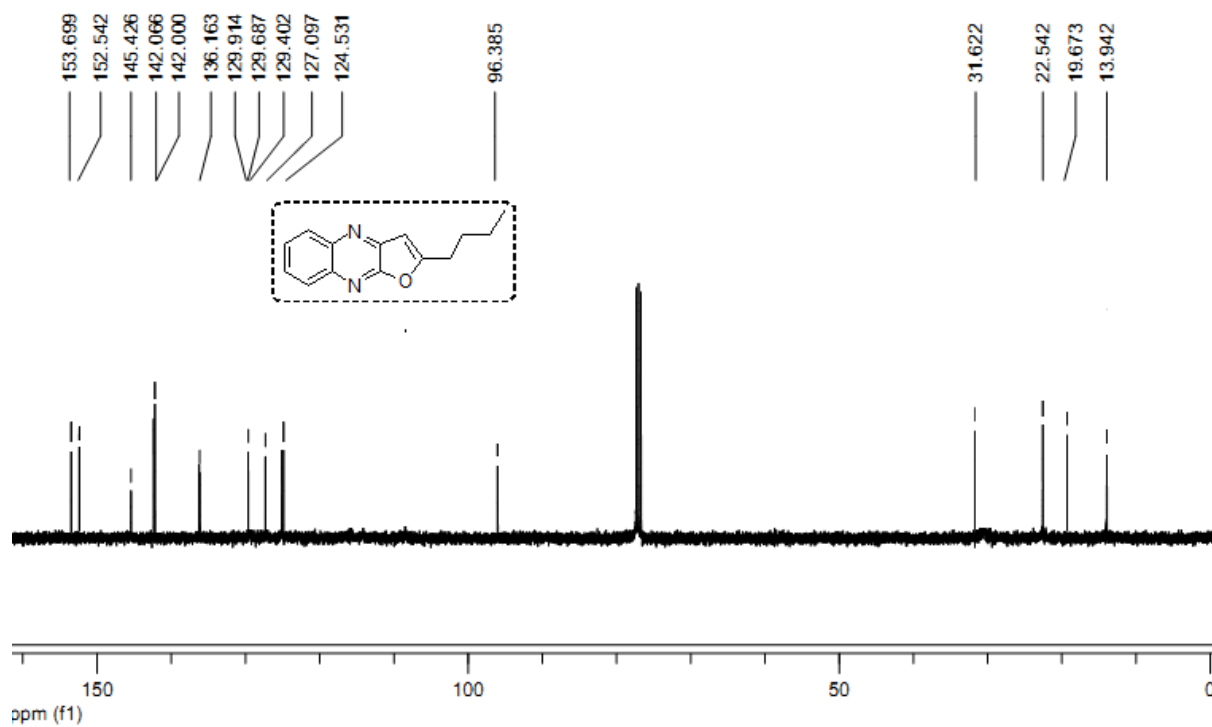
^{13}C NMR (100 MHz, CDCl_3) – **4b**



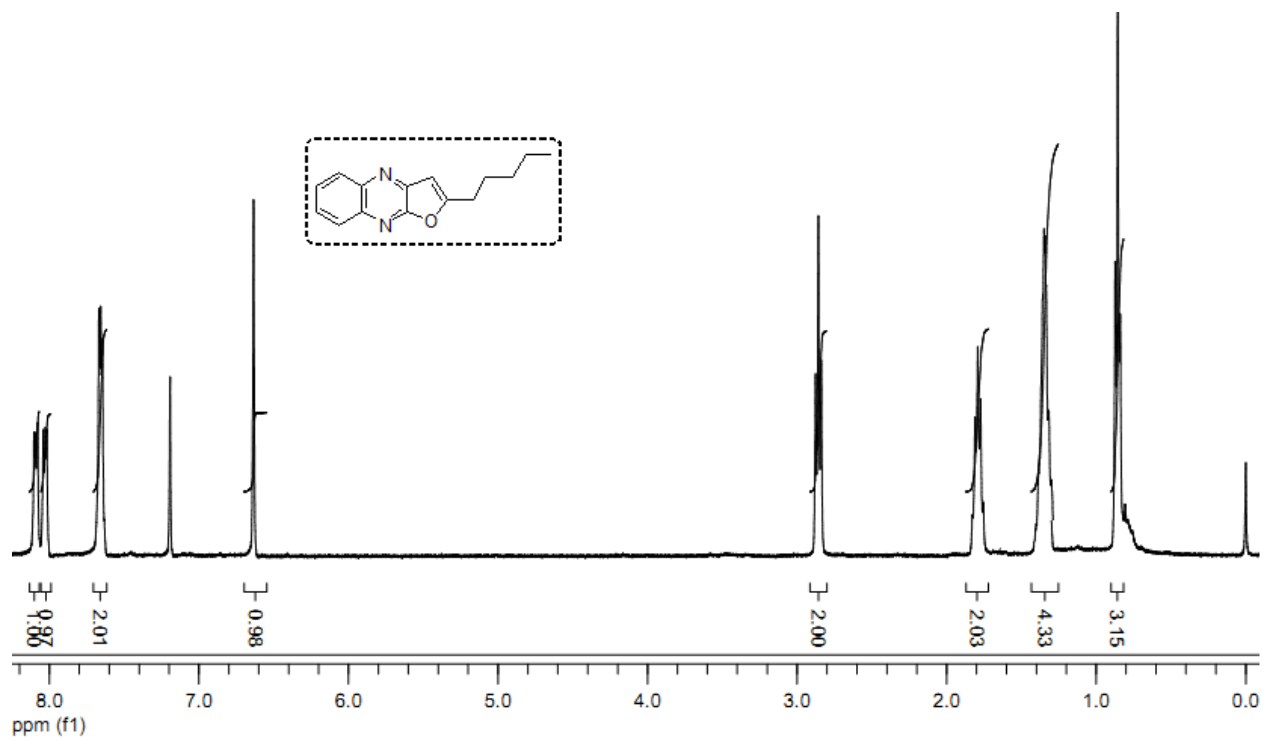
^1H NMR (400 MHz, CDCl_3) – **4c**



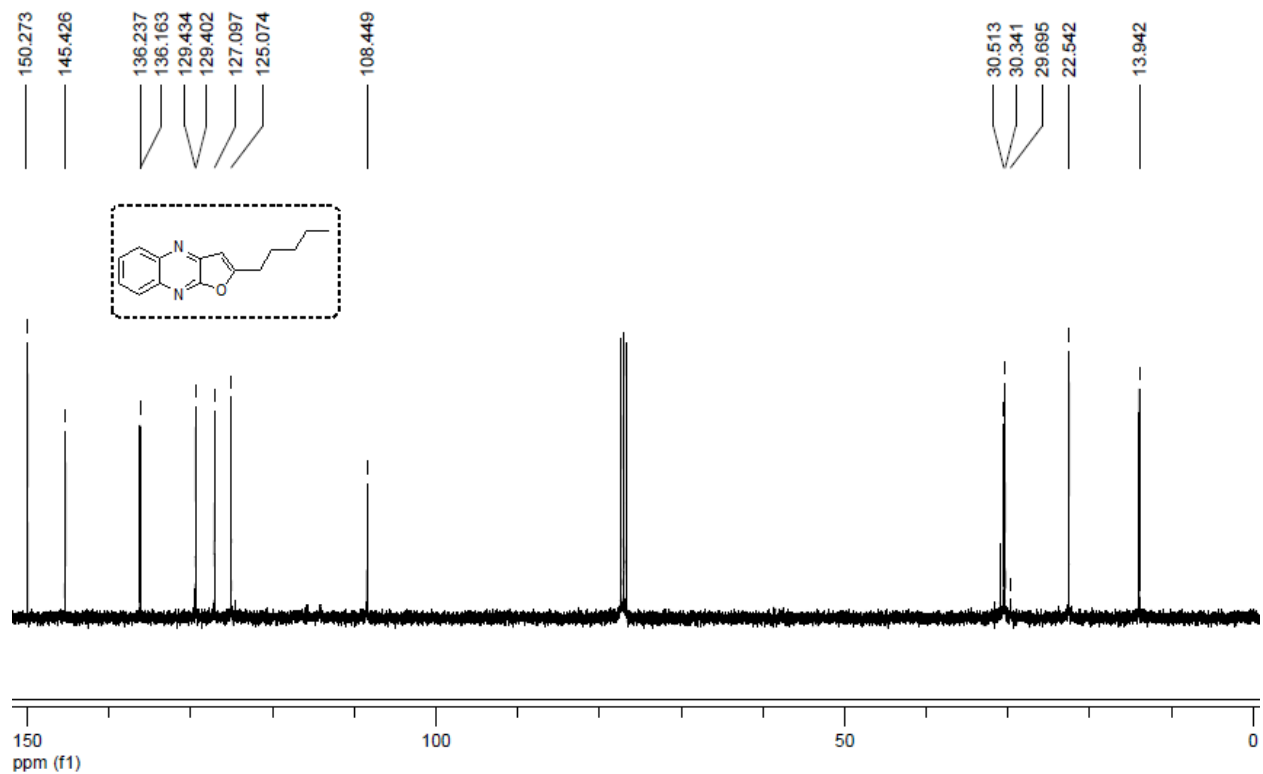
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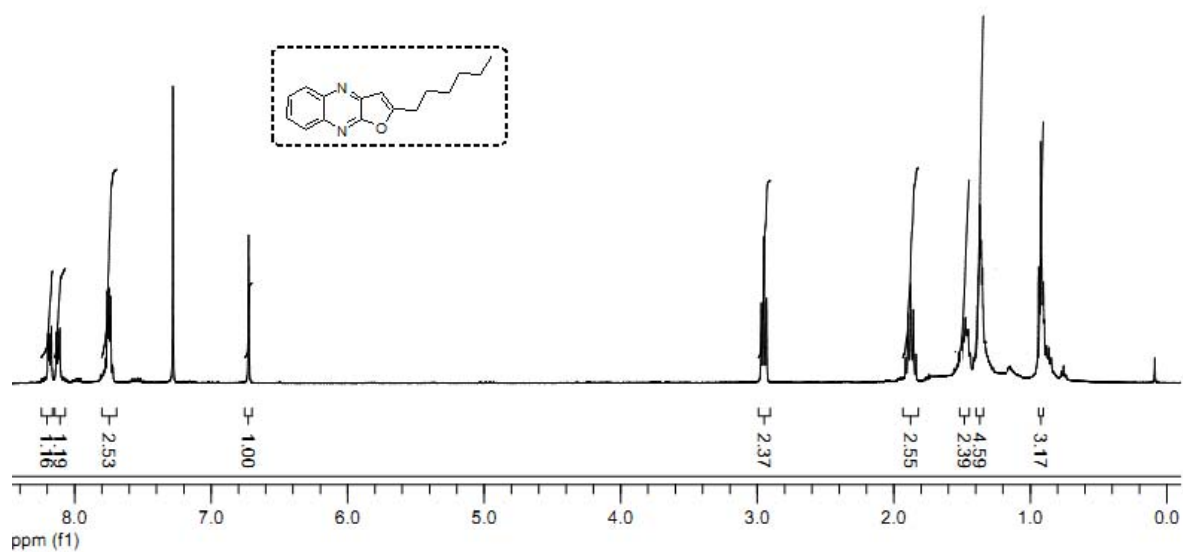
^1H NMR (400 MHz, CDCl_3) – **4d**



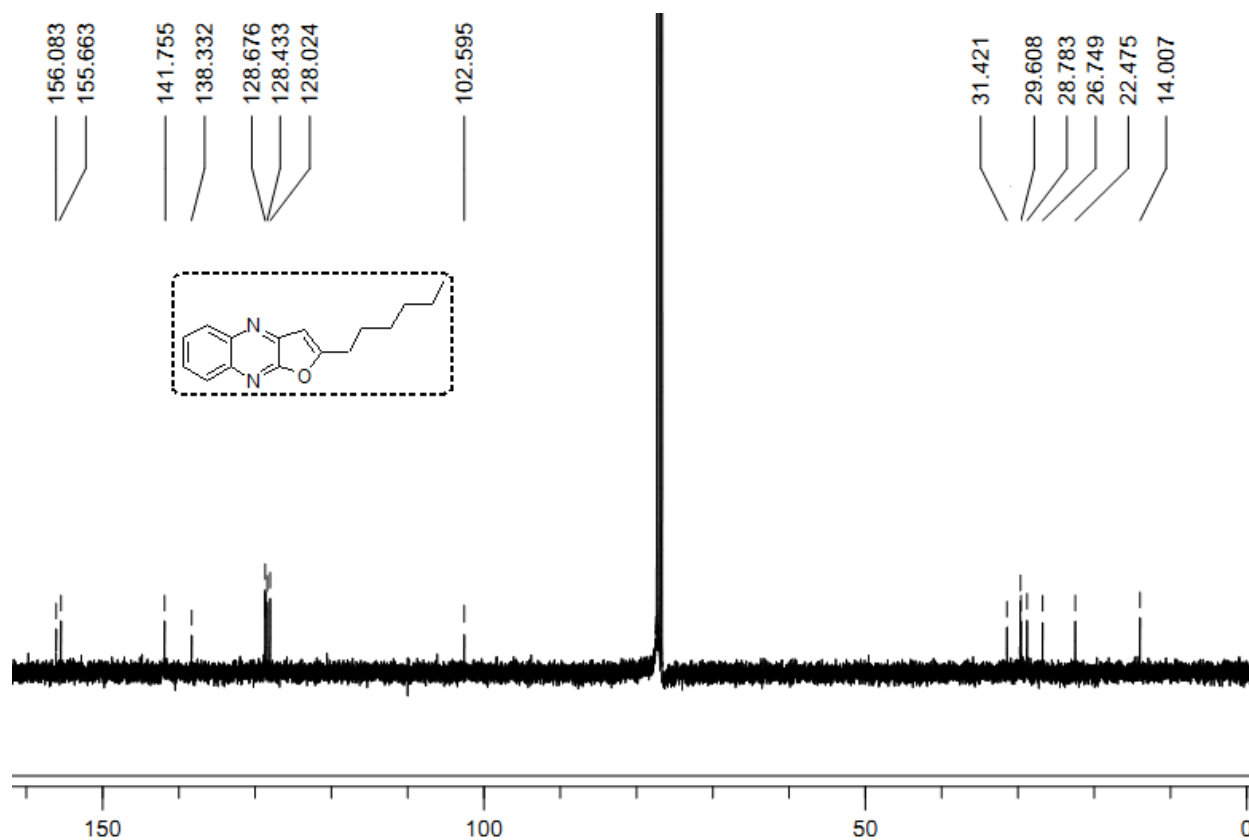
^{13}C NMR (100 MHz, CDCl_3) – **4d**



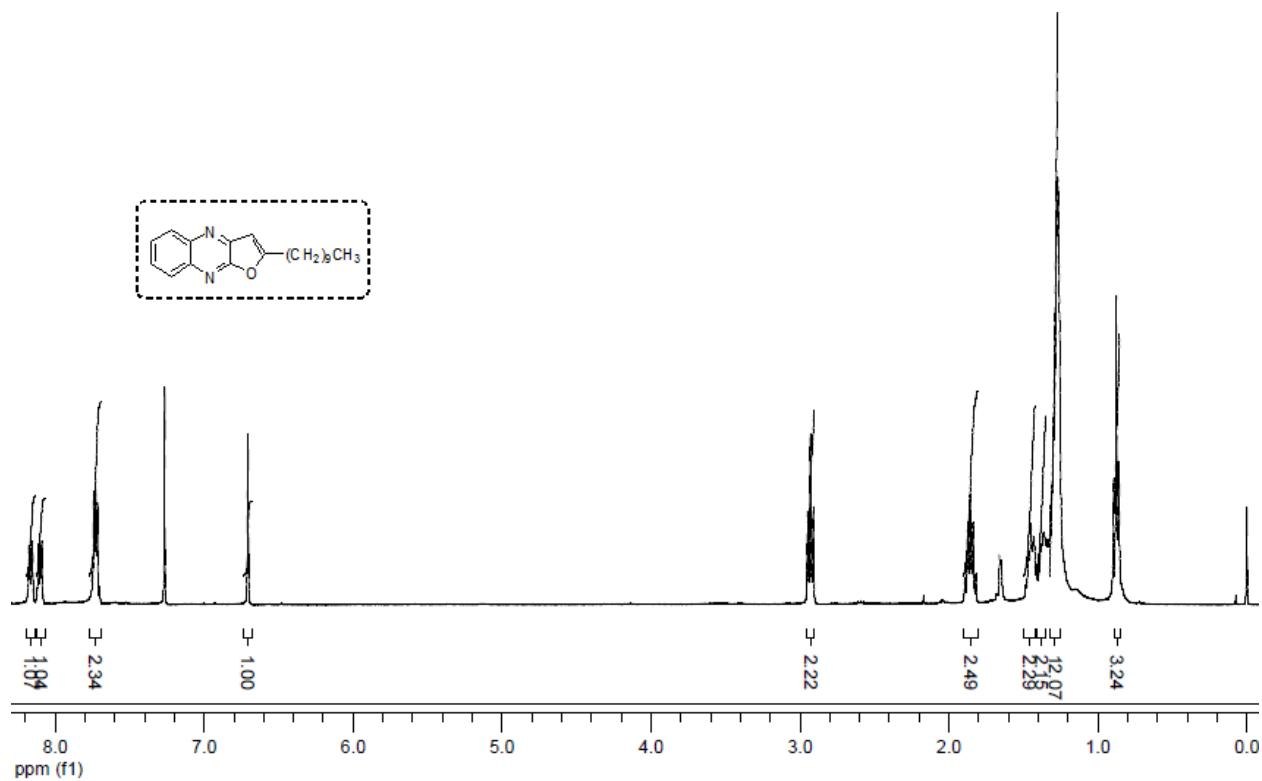
^1H NMR (400 MHz, CDCl_3) – **4e**



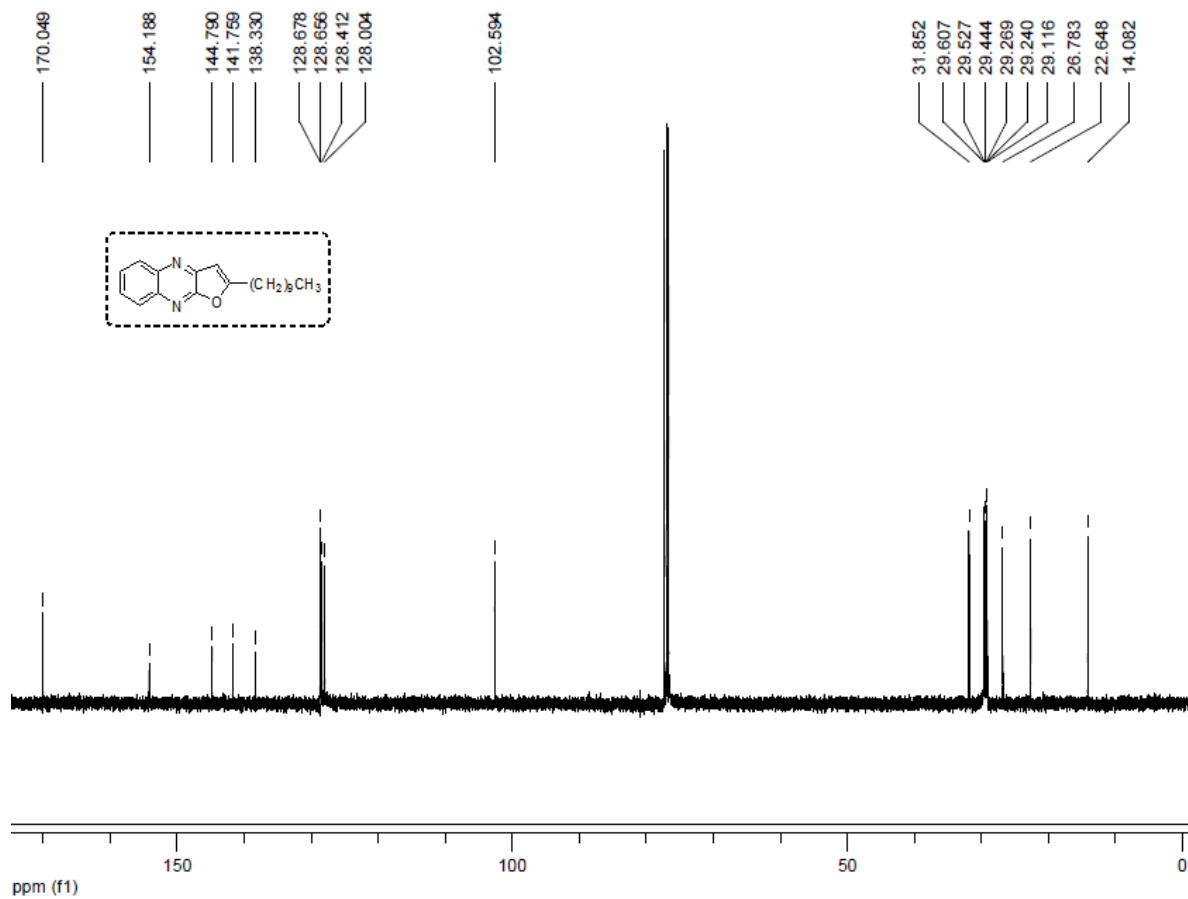
^{13}C NMR (100 MHz, CDCl_3) – **4e**



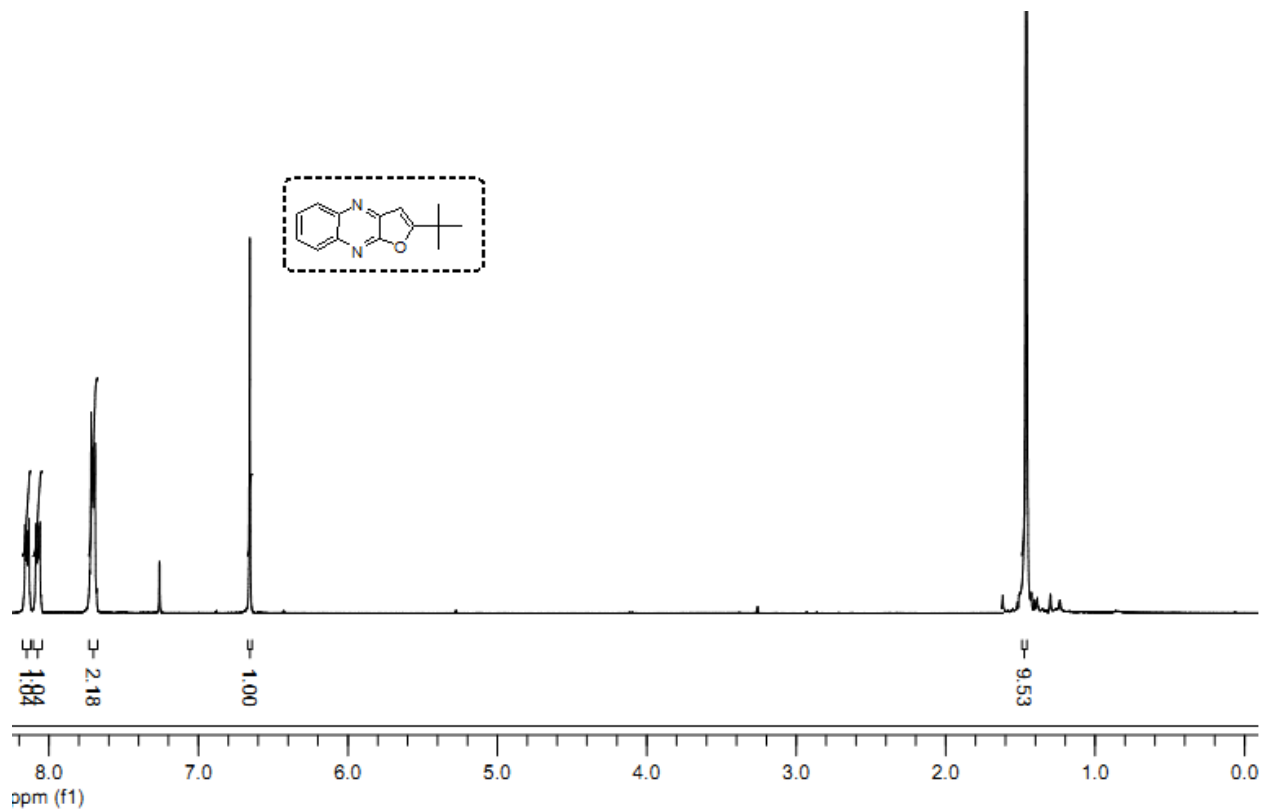
^1H NMR (400 MHz, CDCl_3) – **4f**



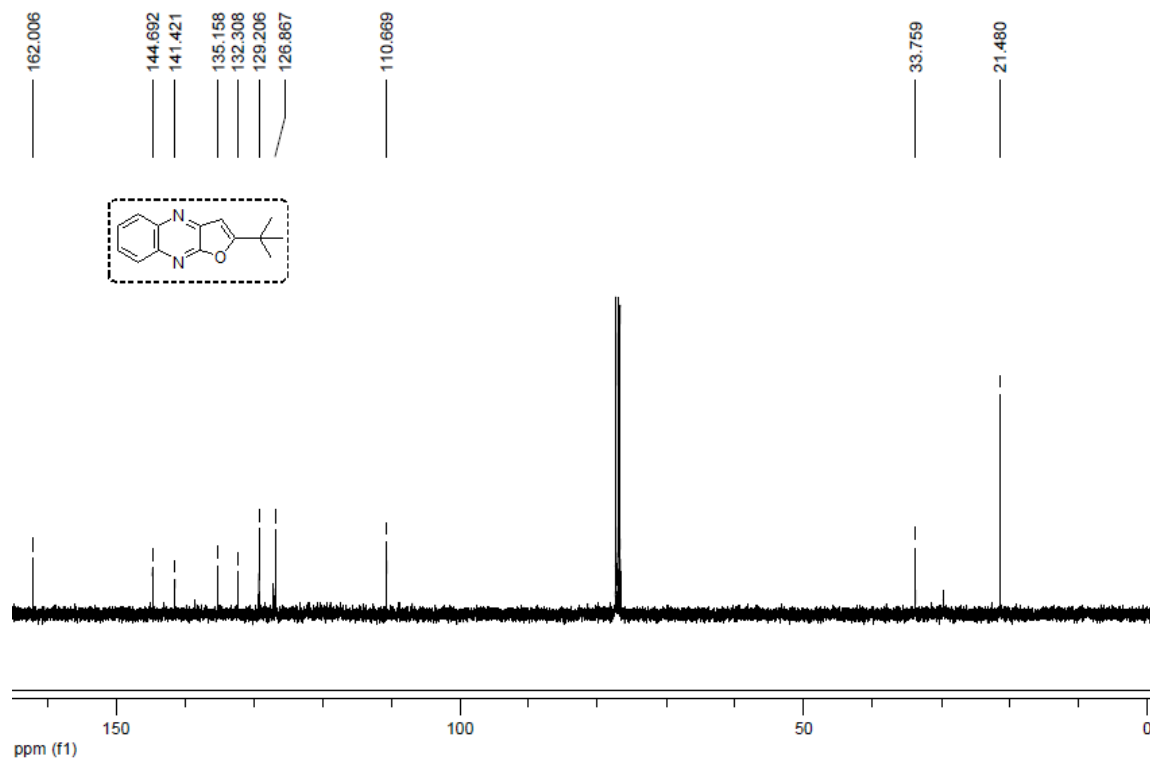
^{13}C NMR (100 MHz, CDCl_3) – **4f**



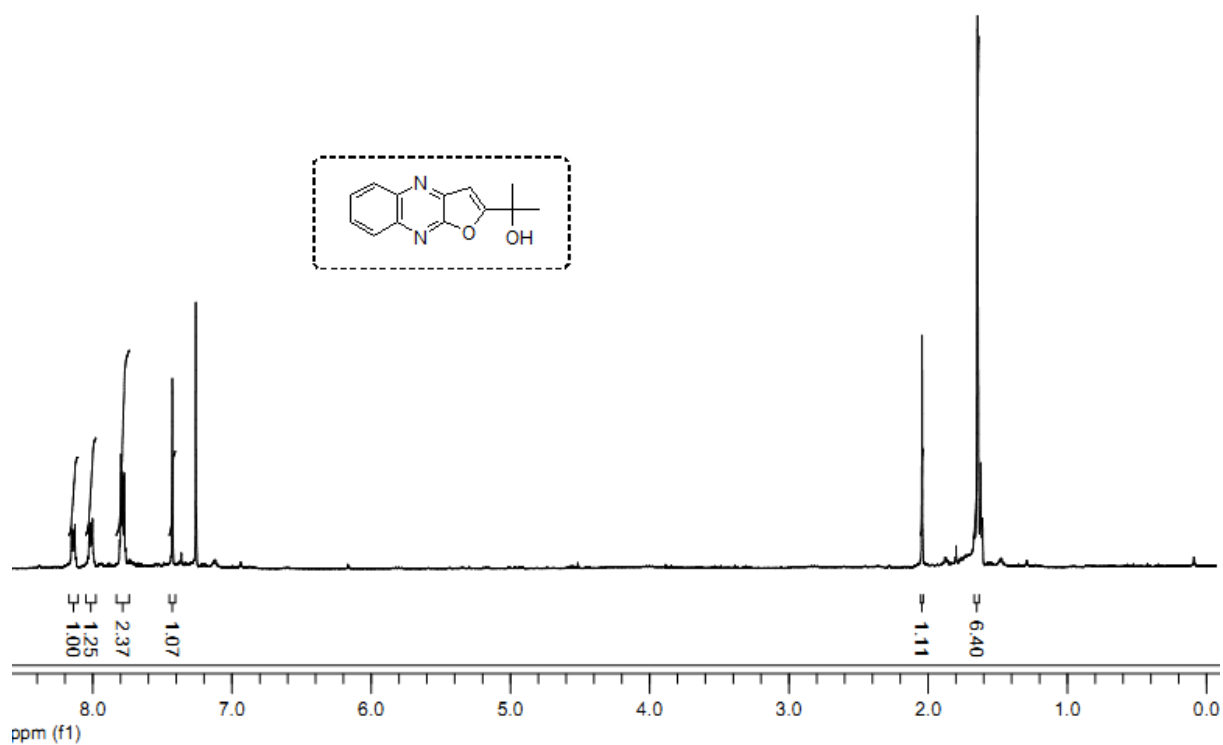
^1H NMR (400 MHz, CDCl_3) – 4g



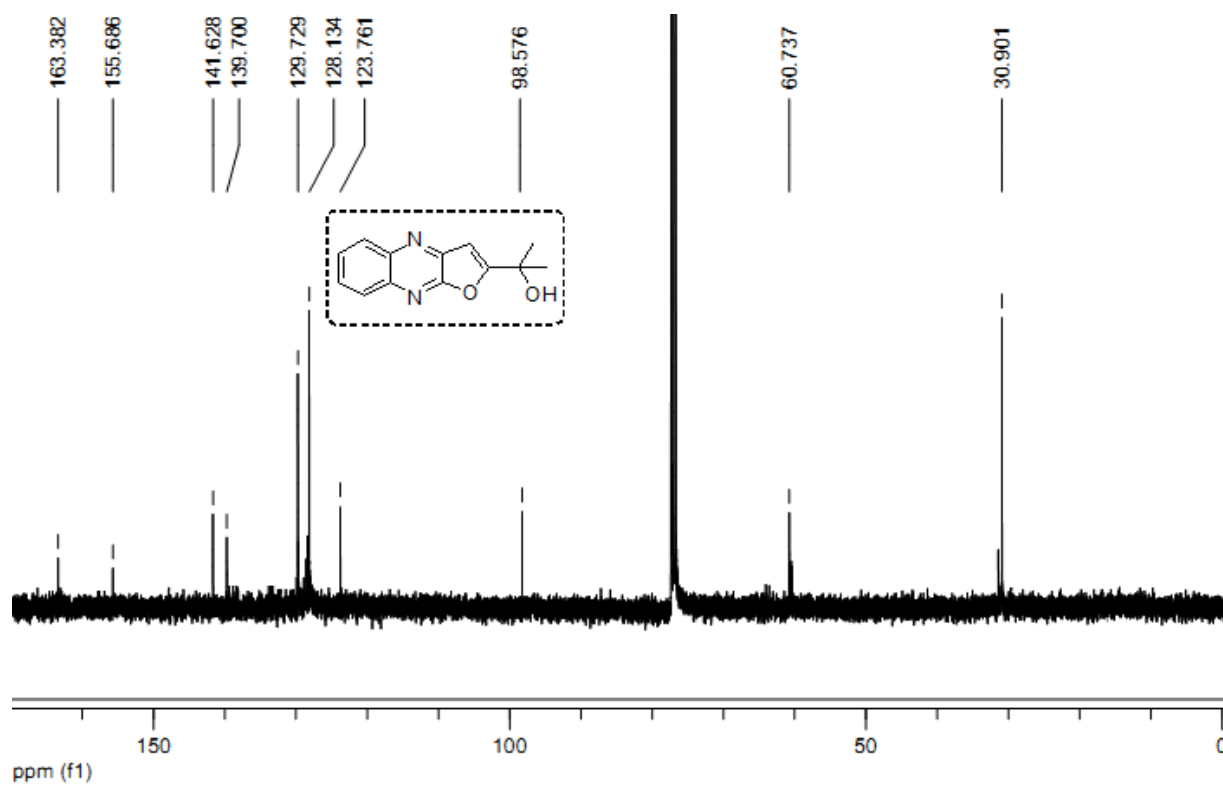
^{13}C NMR (100 MHz, CDCl_3) – 4g



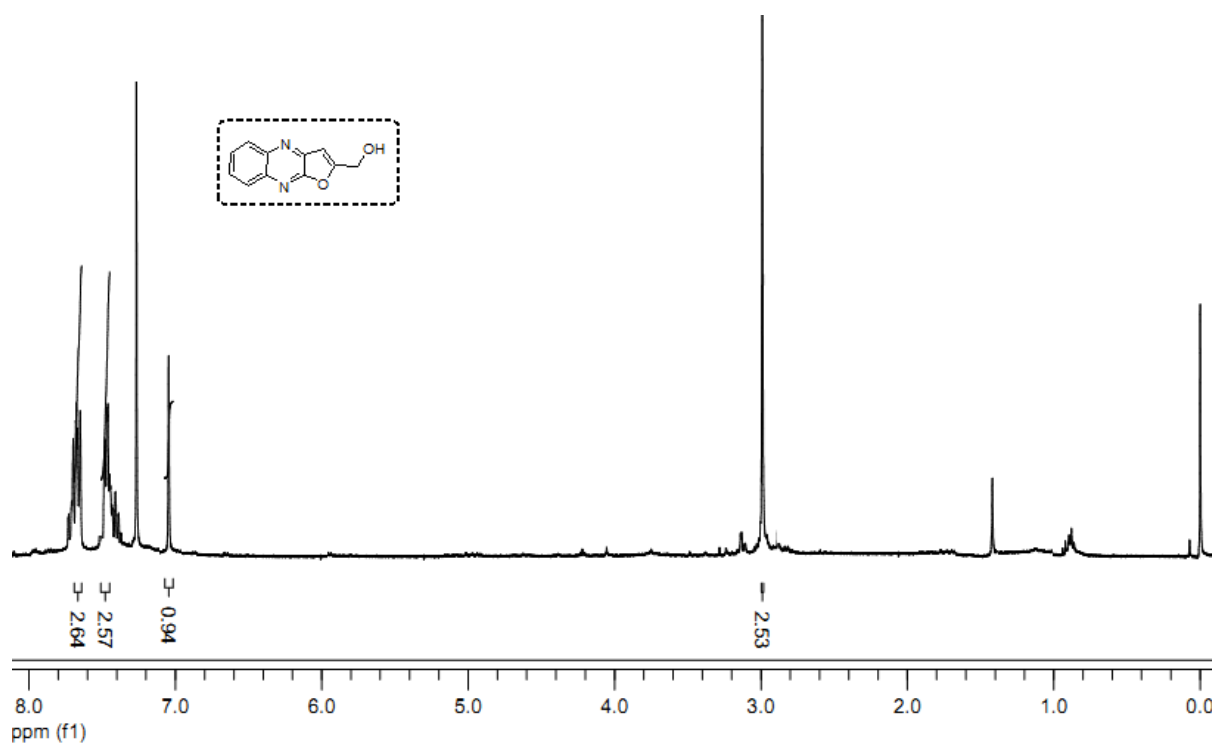
^1H NMR (400 MHz, CDCl_3) – **4h**



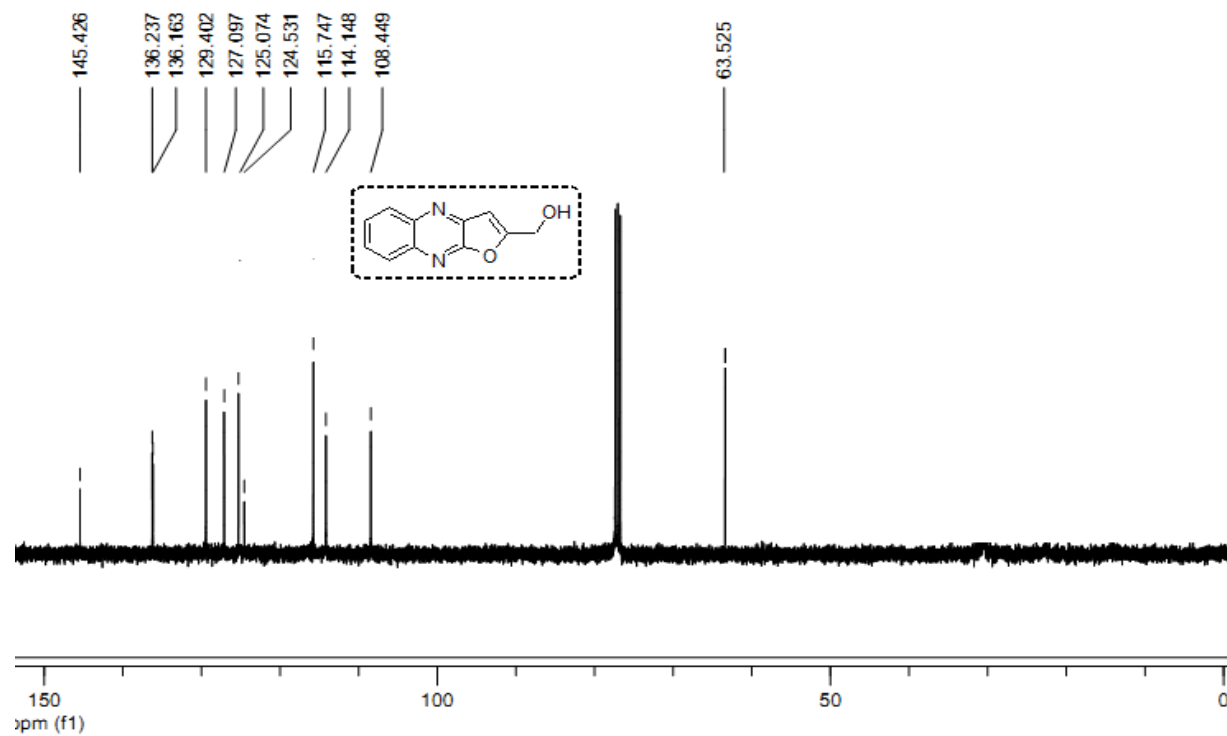
^{13}C NMR (100 MHz, CDCl_3) – **4h**



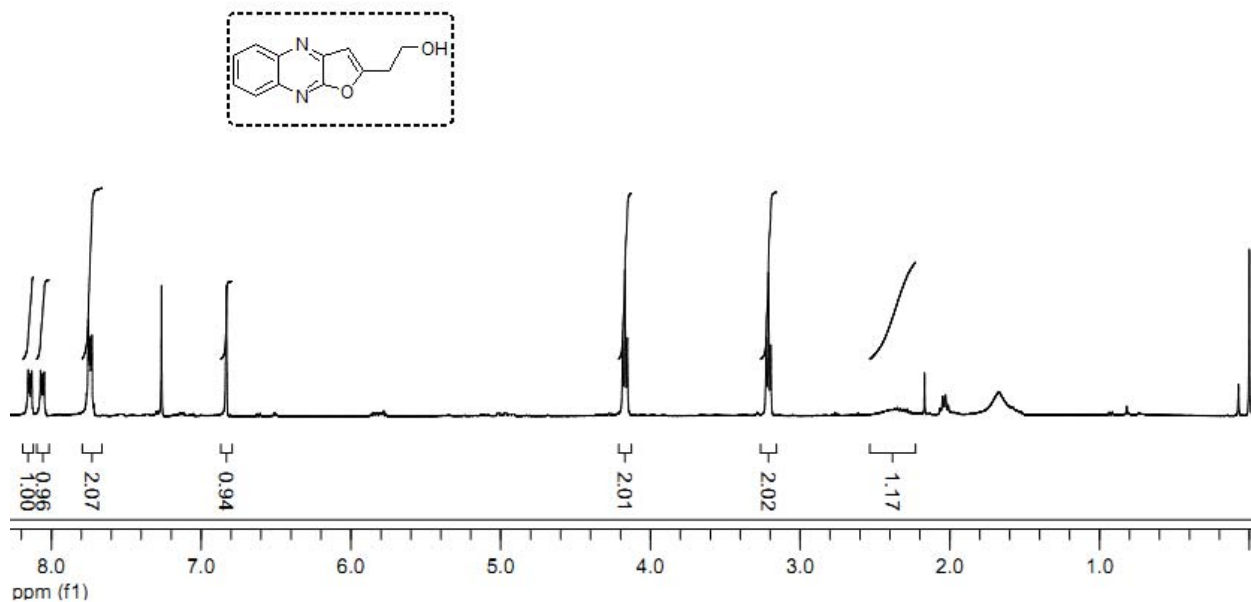
^1H NMR (400 MHz, CDCl_3) – 4i



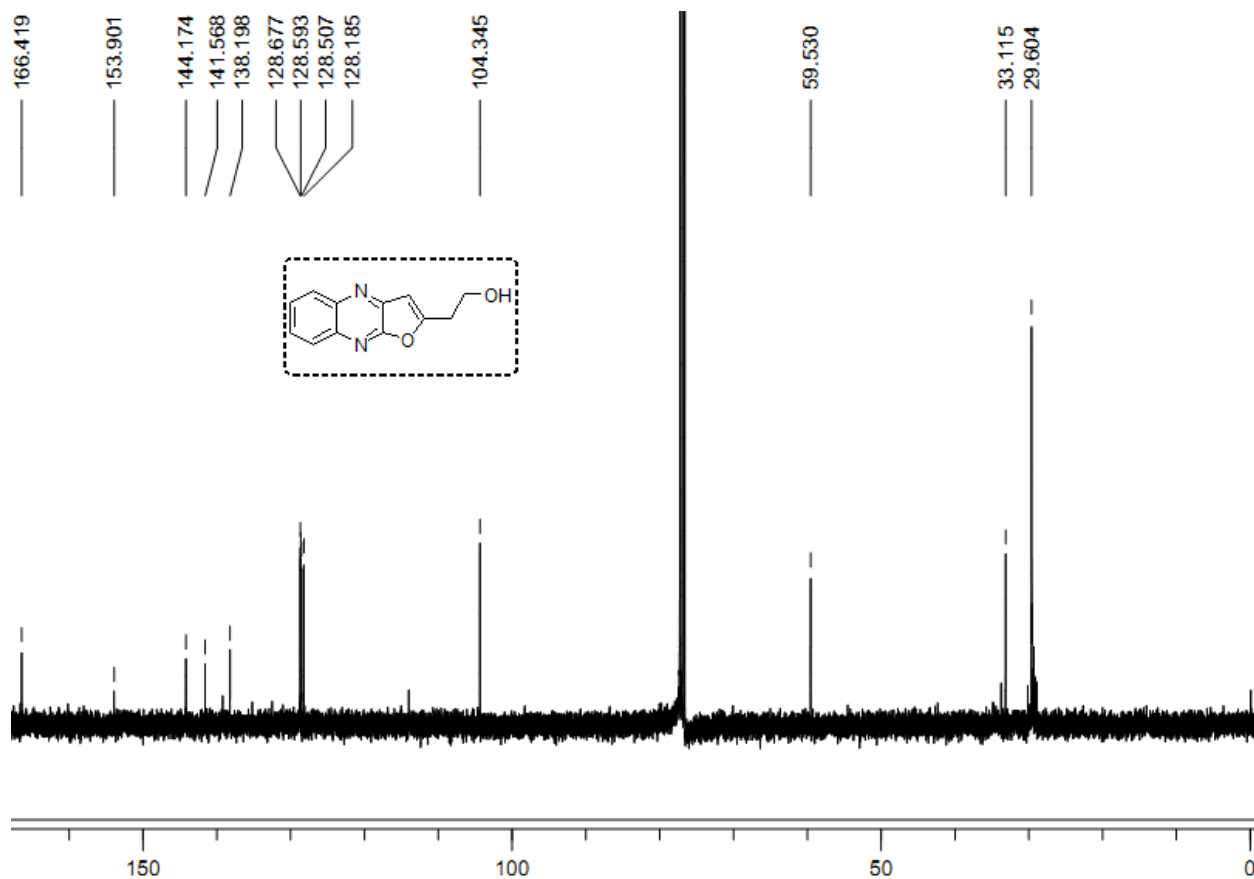
^{13}C NMR (100 MHz, CDCl_3) – 4i



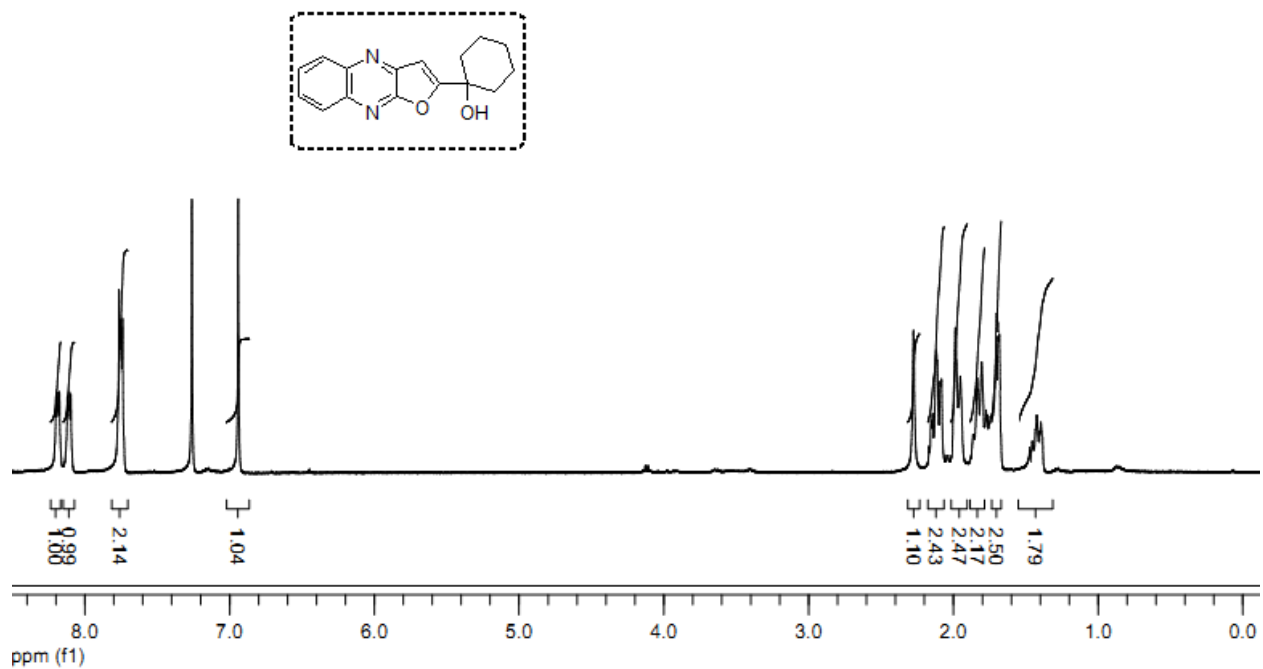
^1H NMR (400 MHz, CDCl_3) – 4j



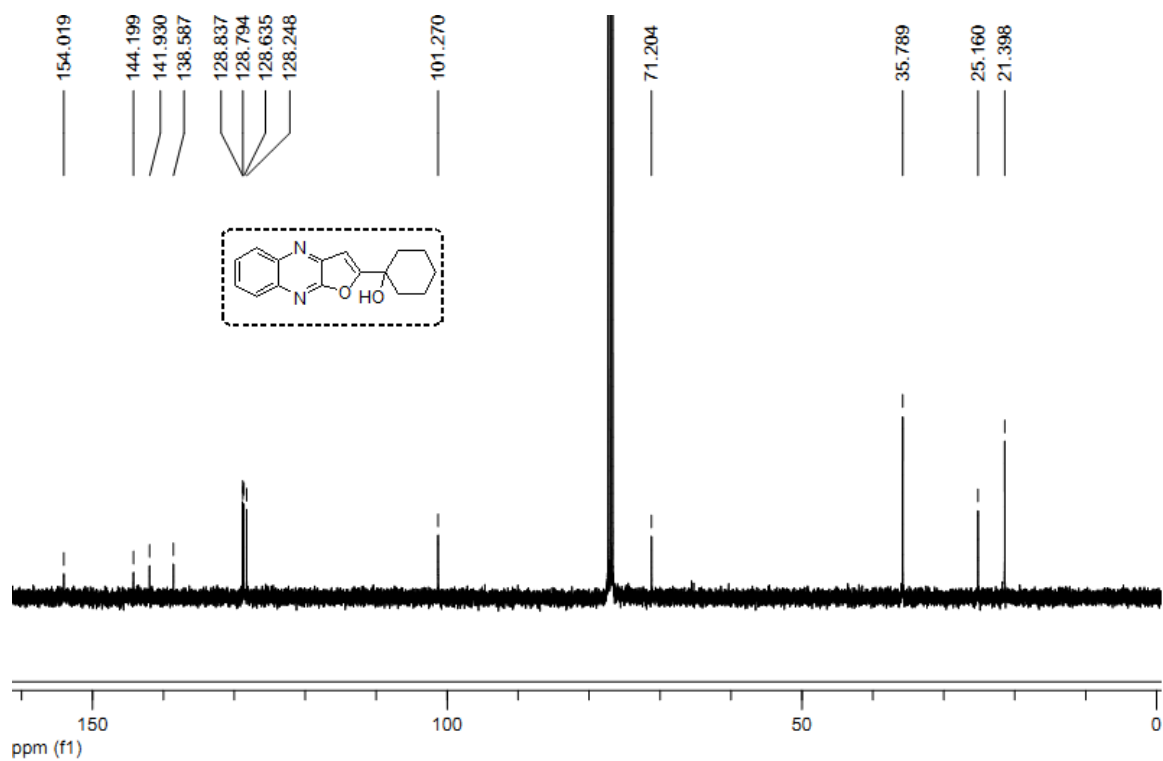
^{13}C NMR (100 MHz, CDCl_3) – 4j



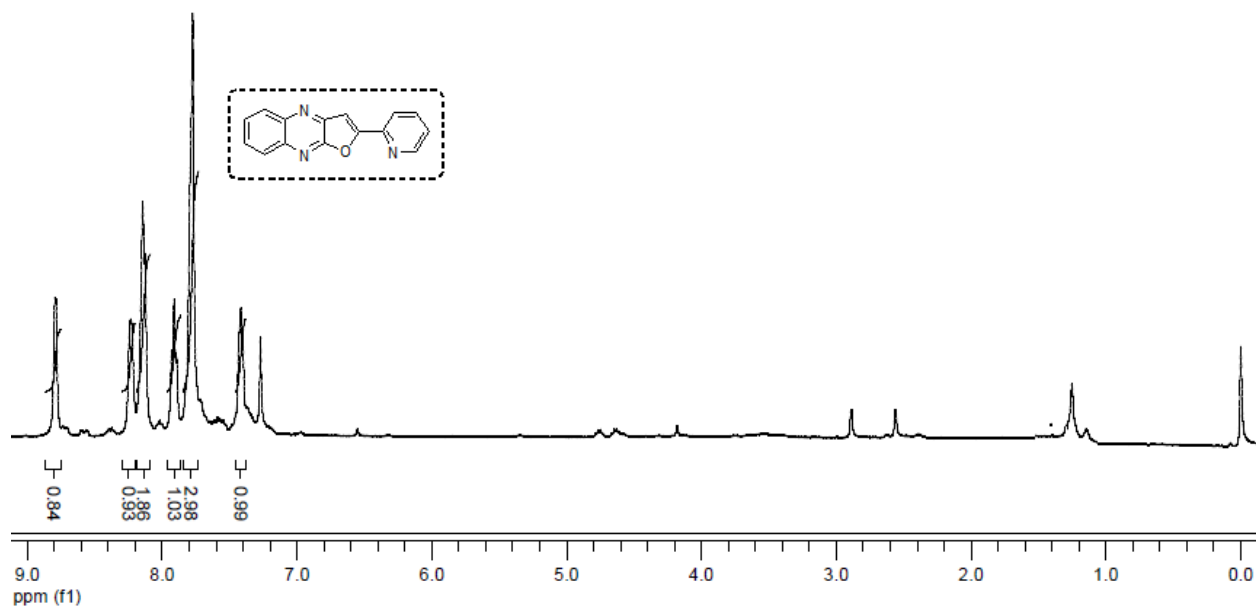
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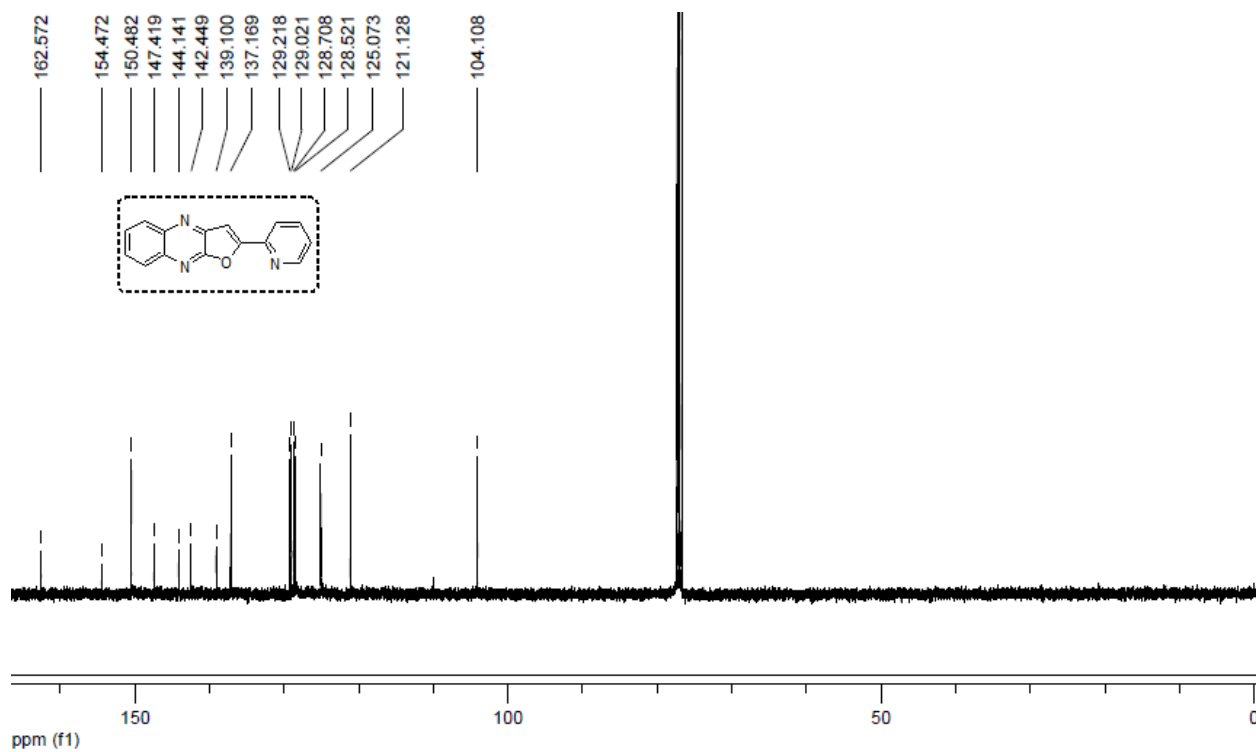
^{13}C NMR (100 MHz, CDCl_3) – 4k



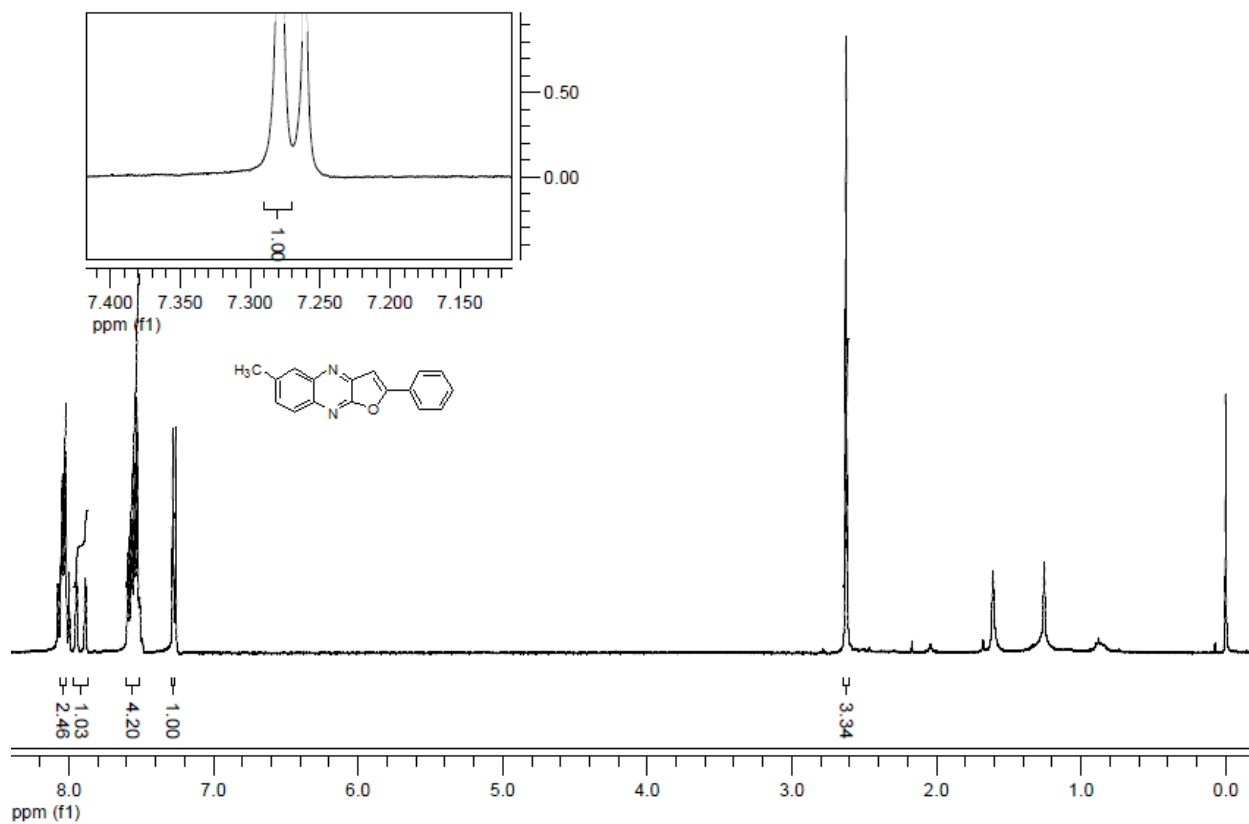
^1H NMR (400 MHz, CDCl_3) – 41



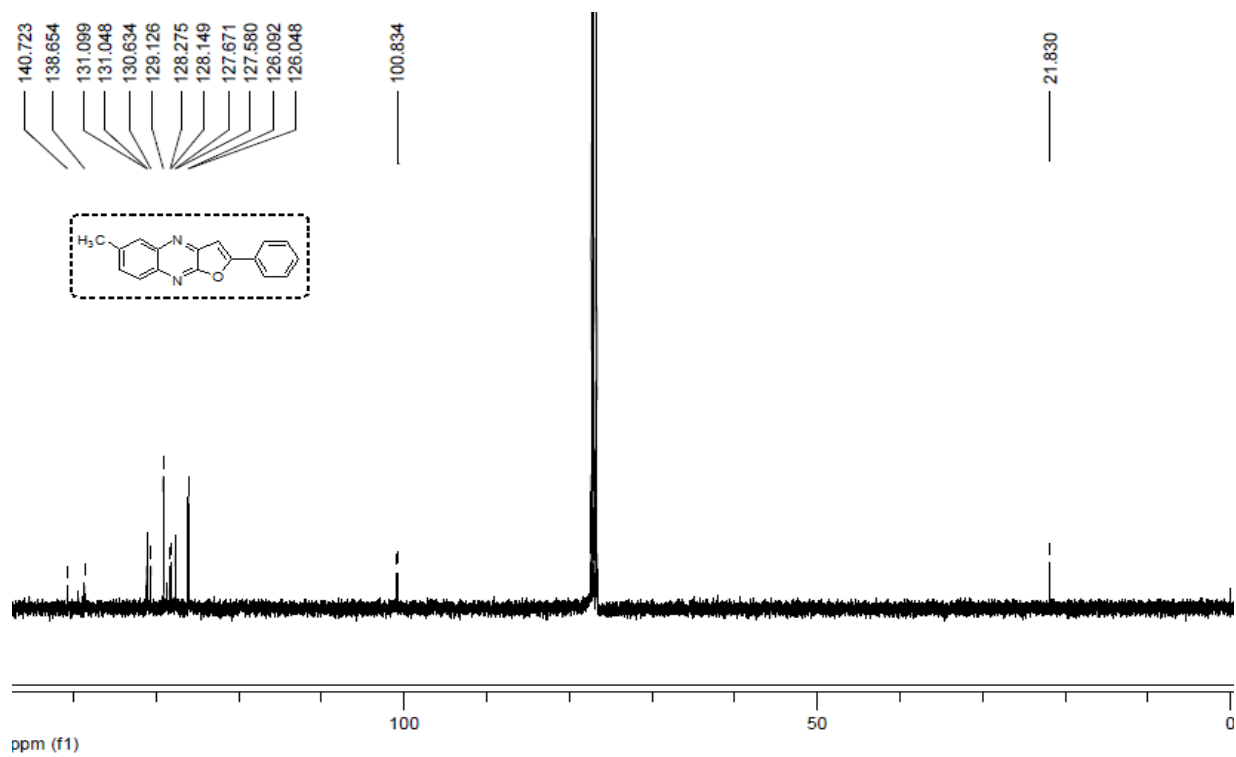
^{13}C NMR (100 MHz, CDCl_3) – 41



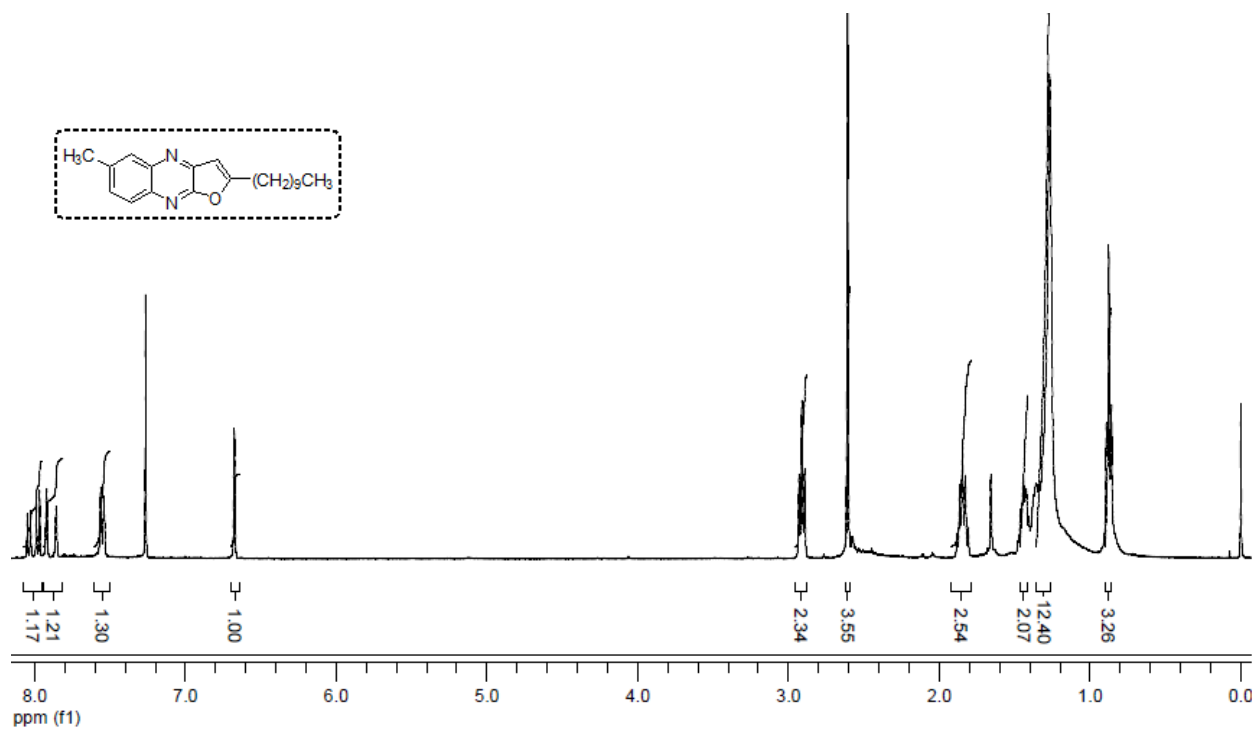
^1H NMR (400 MHz, CDCl_3) – **4m**



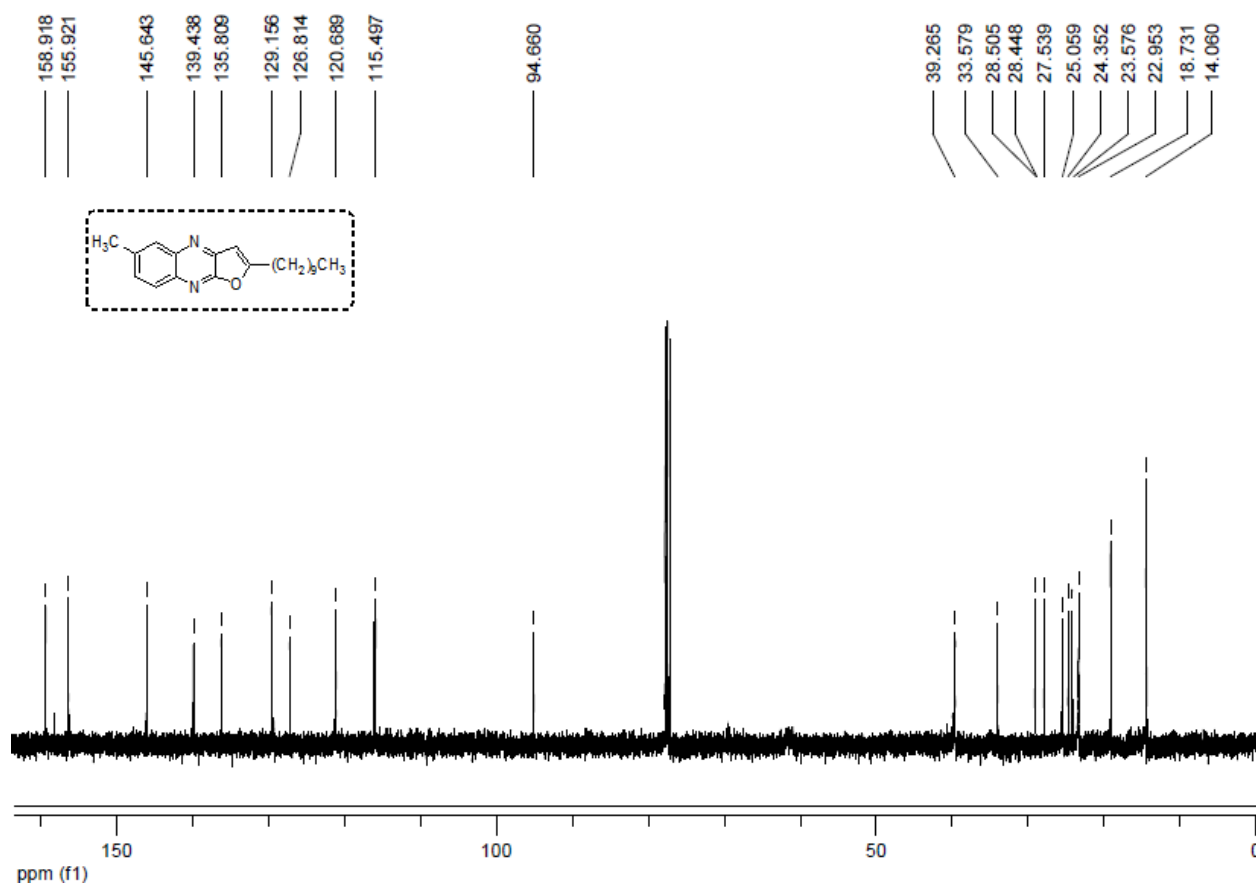
^{13}C NMR (100 MHz, CDCl_3) – **4m**



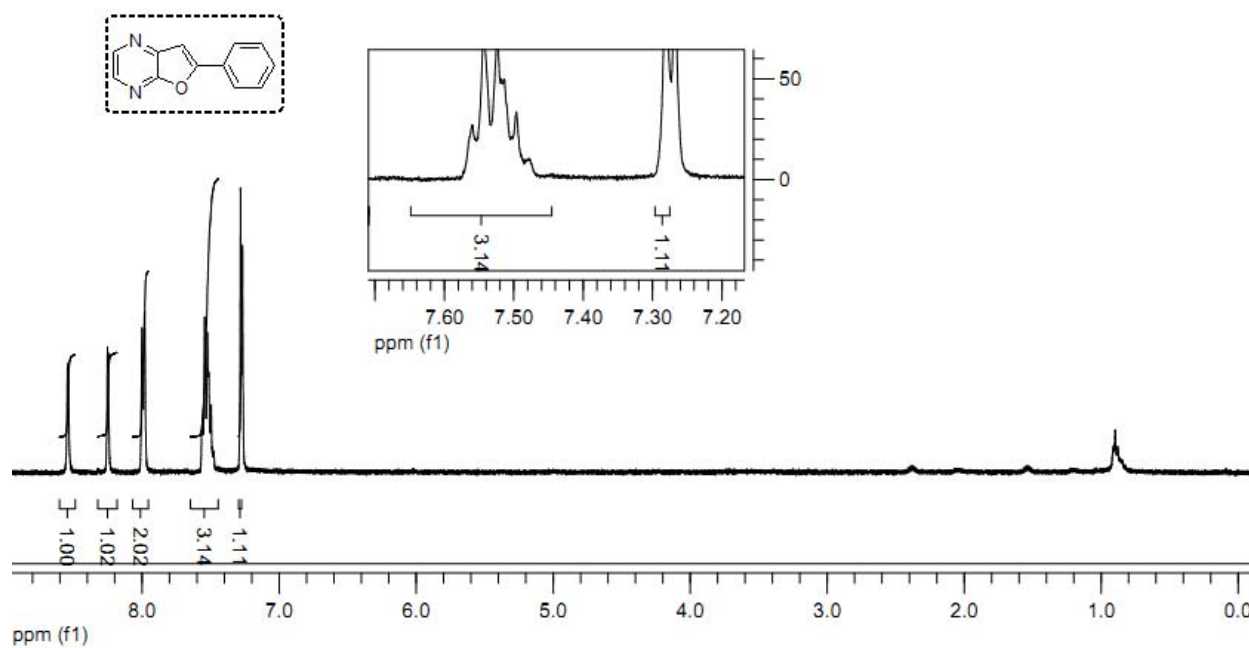
^1H NMR (400 MHz, CDCl_3) – **4n**



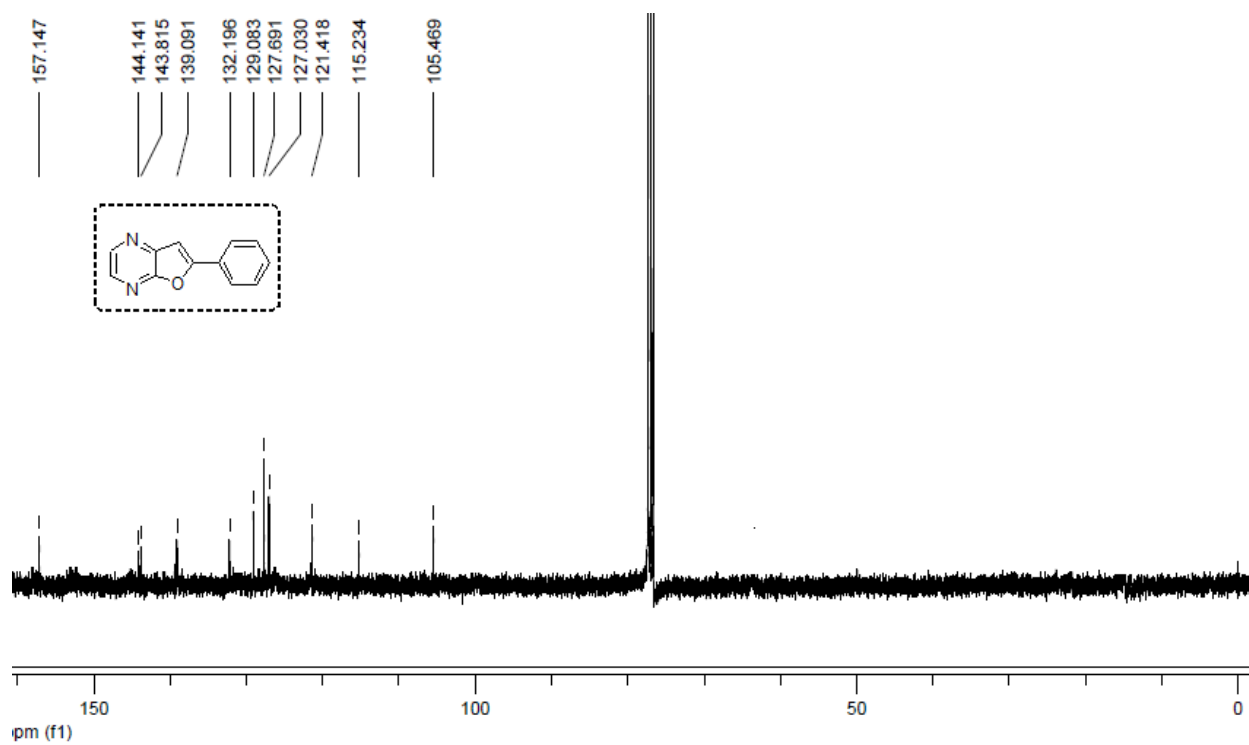
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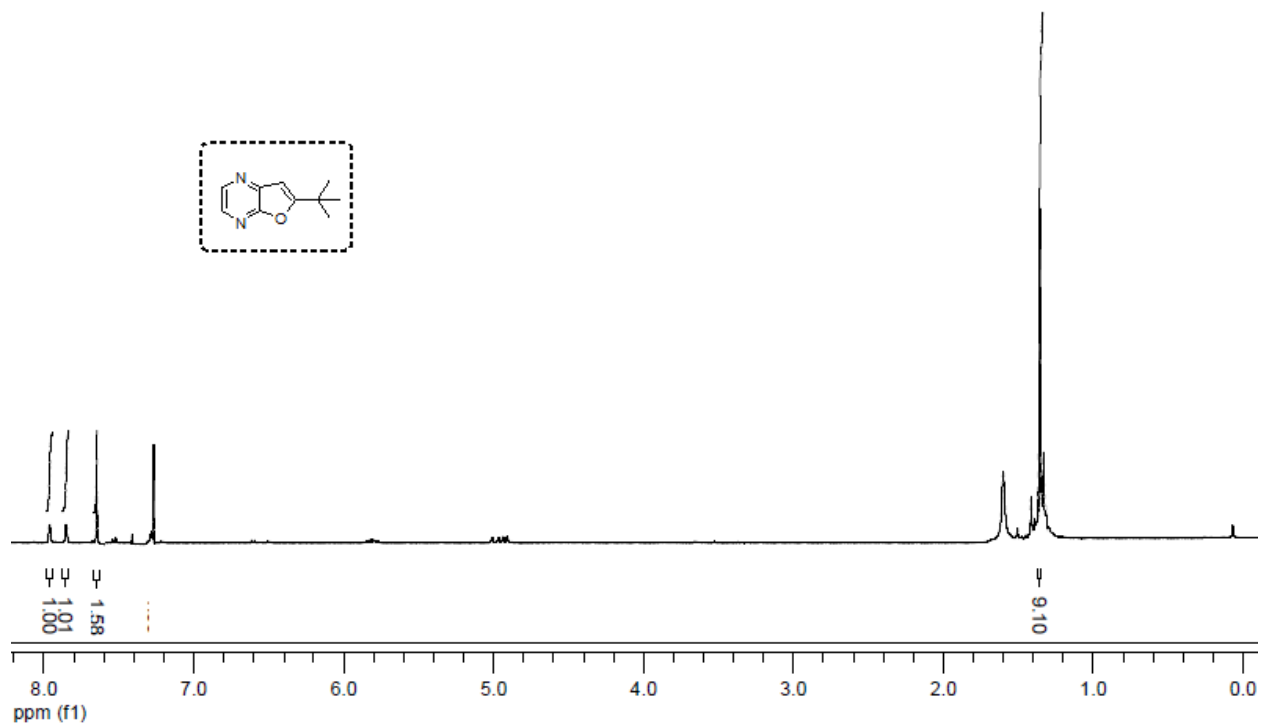
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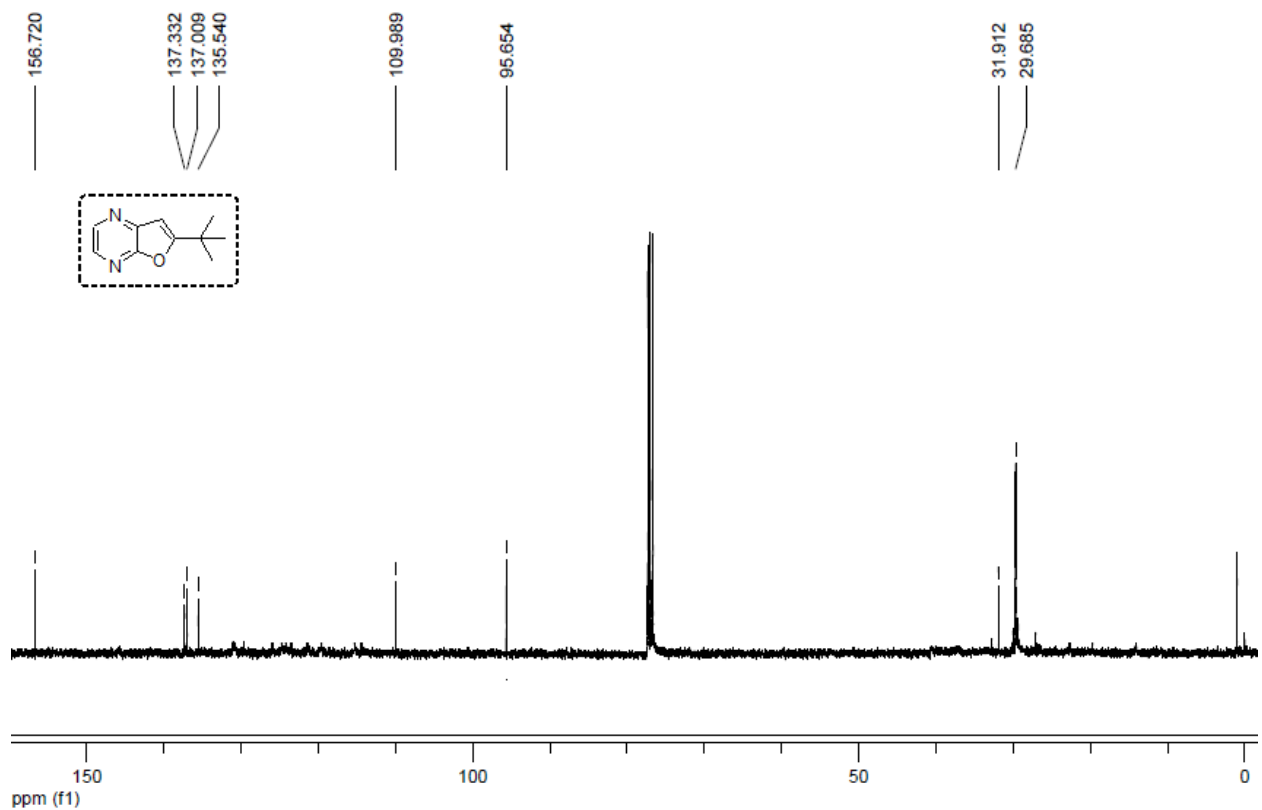
^{13}C NMR (100 MHz, CDCl_3) – **4o**



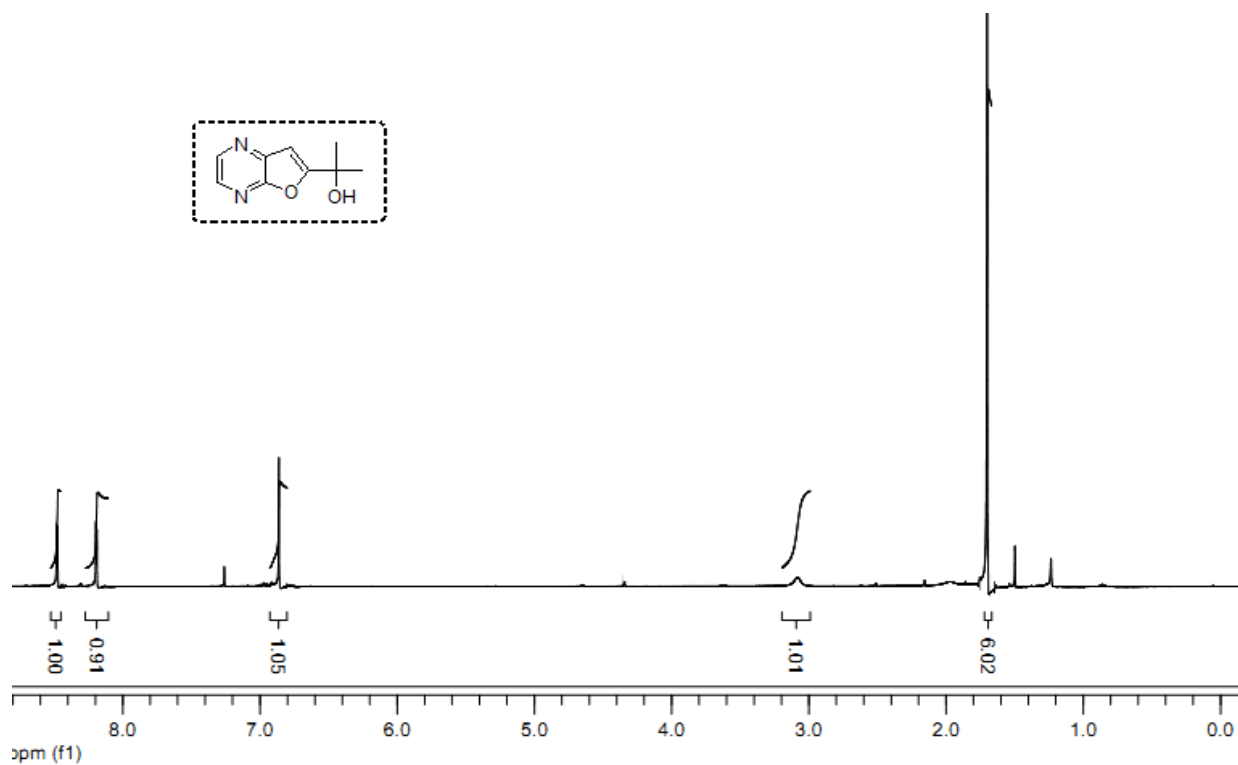
^1H NMR (400 MHz, CDCl_3) – **4p**



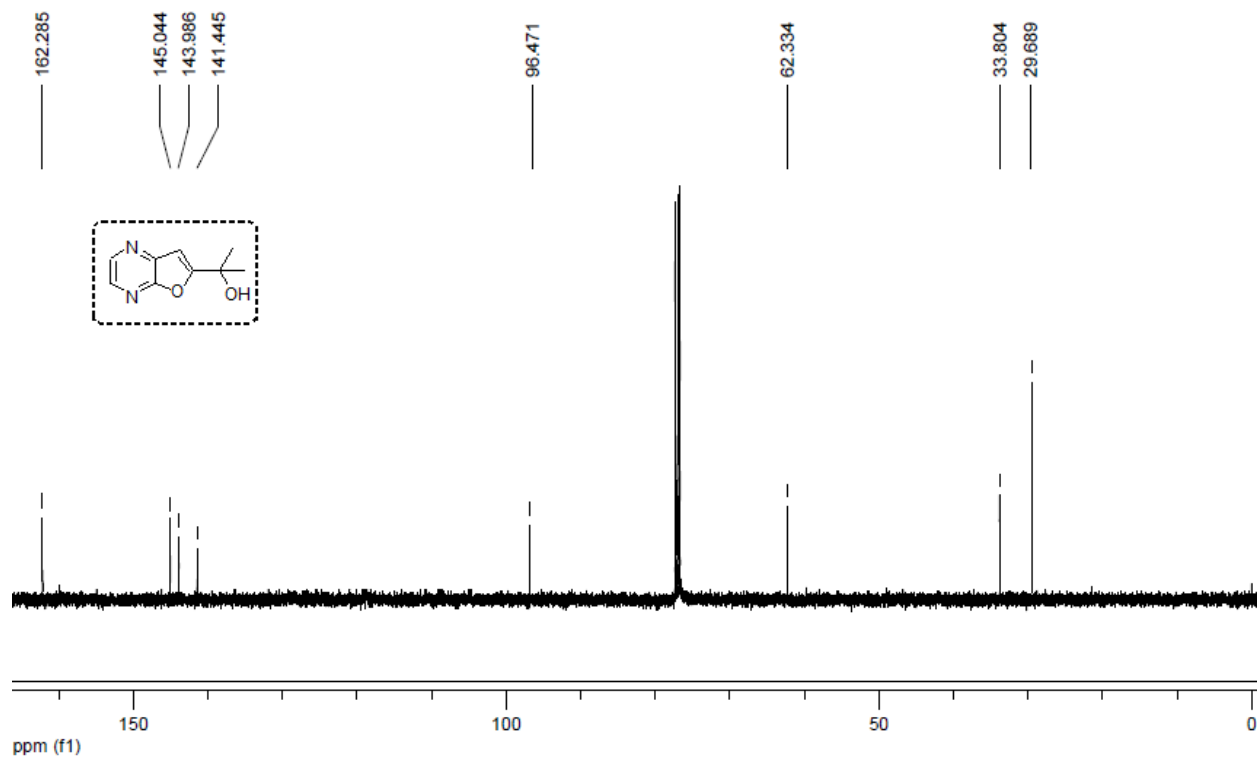
^{13}C NMR (100 MHz, CDCl_3) – **4p**



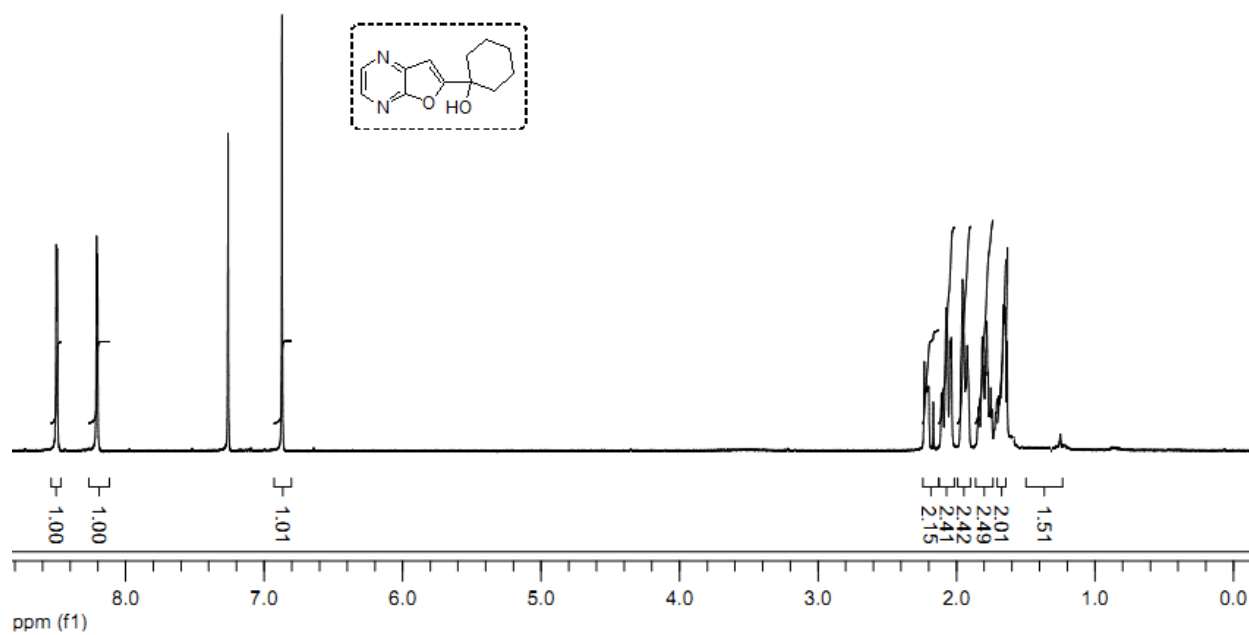
^1H NMR (400 MHz, CDCl_3) – **4q**



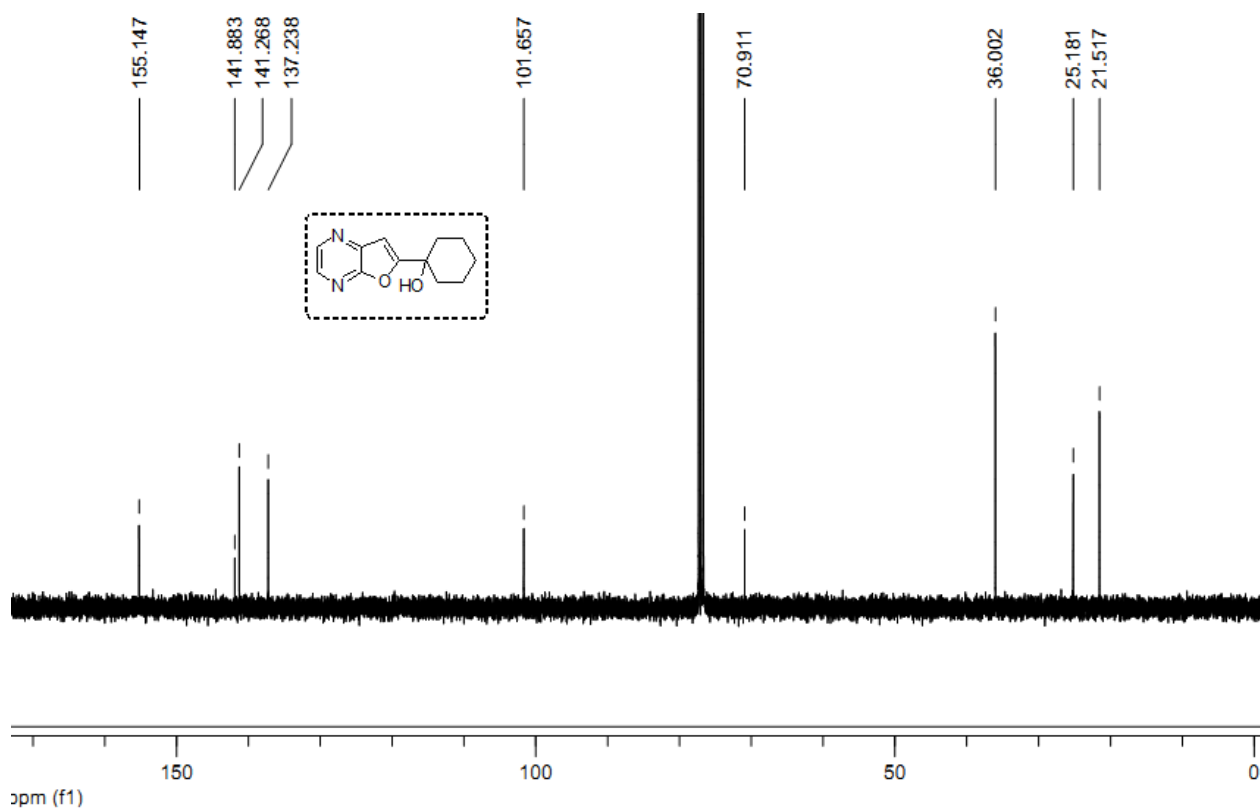
^{13}C NMR (100 MHz, CDCl_3) – **4q**



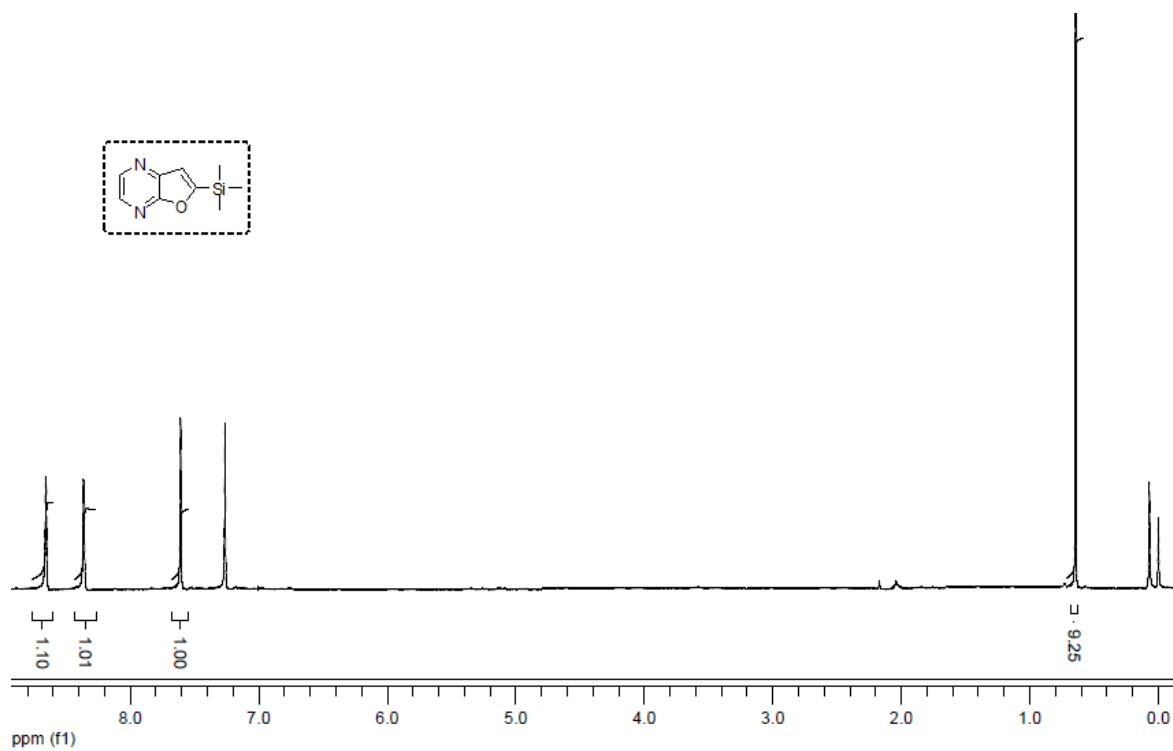
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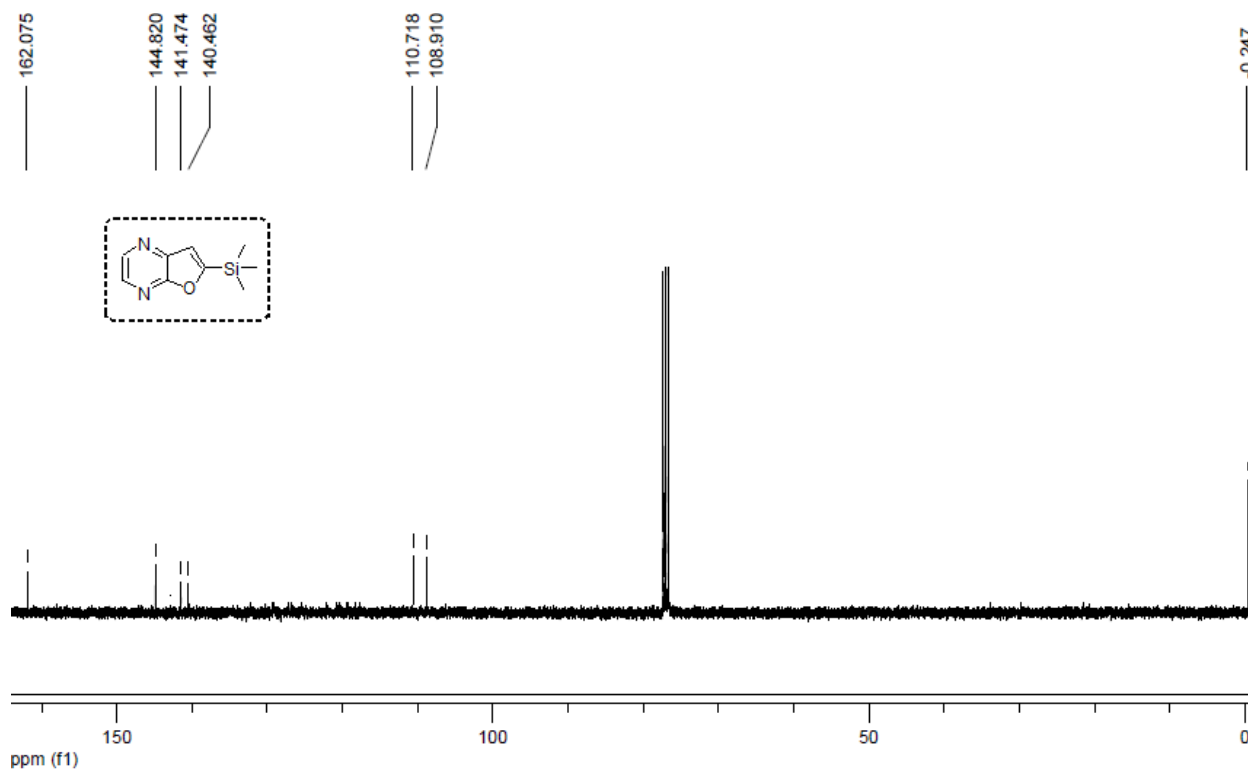
^{13}C NMR (100 MHz, CDCl_3) – **4r**



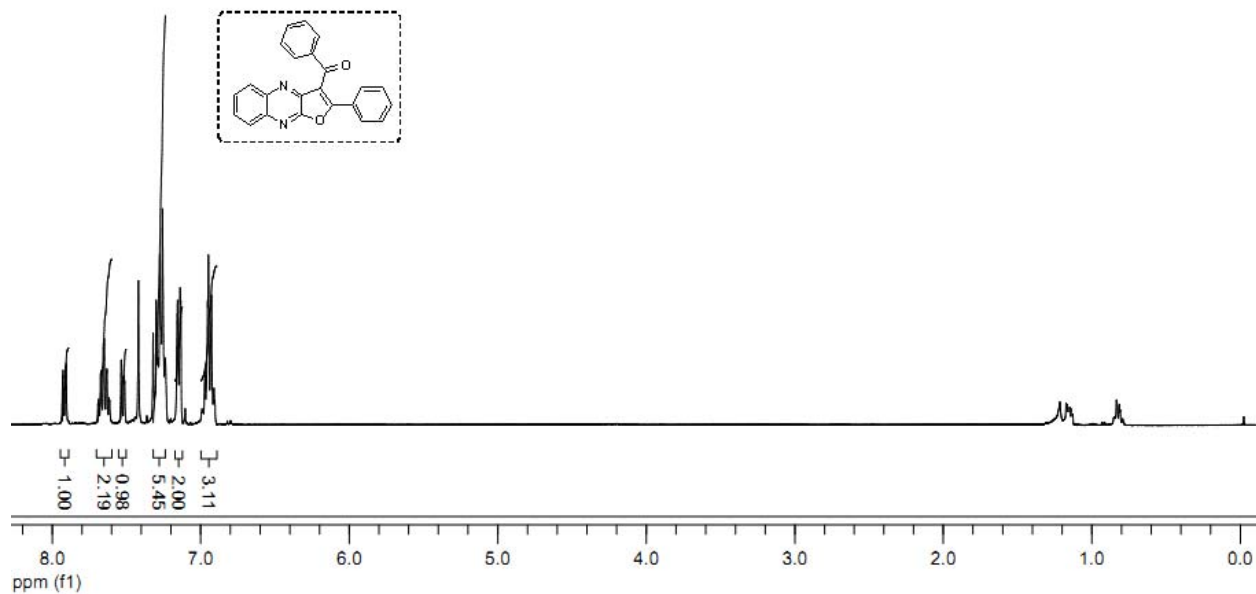
^1H NMR (400 MHz, CDCl_3) - **4s**



^{13}C NMR (100 MHz, CDCl_3) - **4s**



^1H NMR (400 MHz, CDCl_3)-5



^{13}C NMR (100 MHz, CDCl_3)-5

