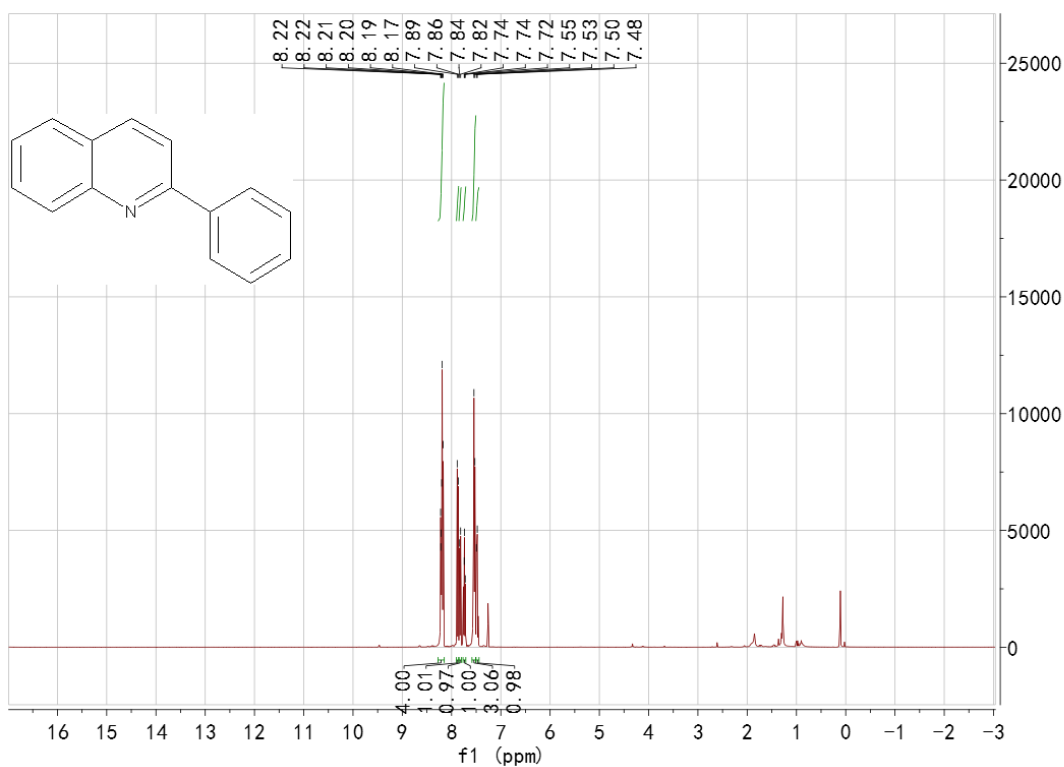


Support Information

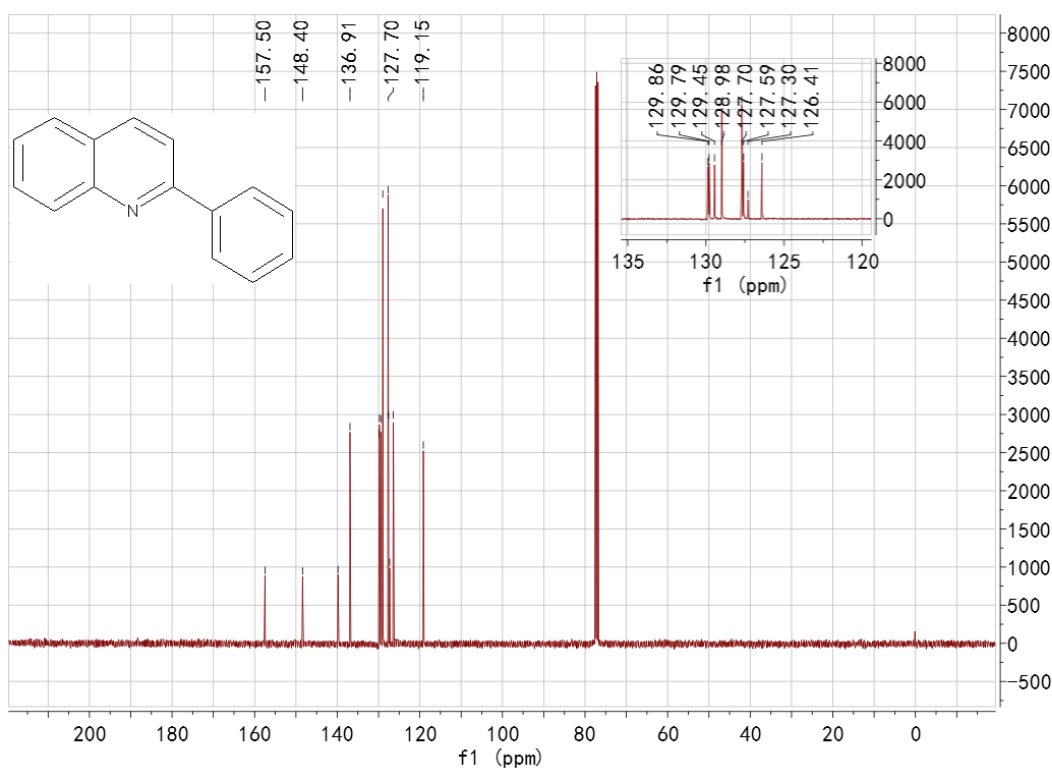
An Efficient Synthesis of Quinolines Via Copper-catalyzed C-N Cleavage

Long-Yi Xi, Ruo-Yi Zhang, Lei Zhang, Shan-Yong Chen,* and Xiao-Qi Yu*

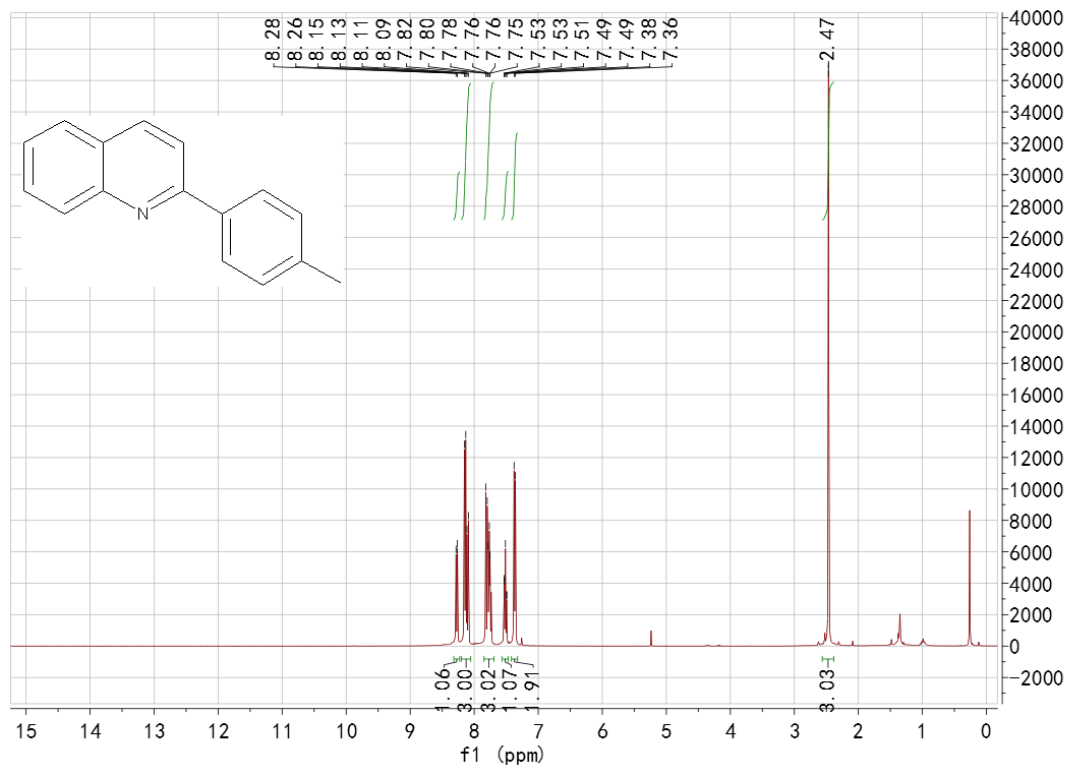
¹H NMR of compound **3a**



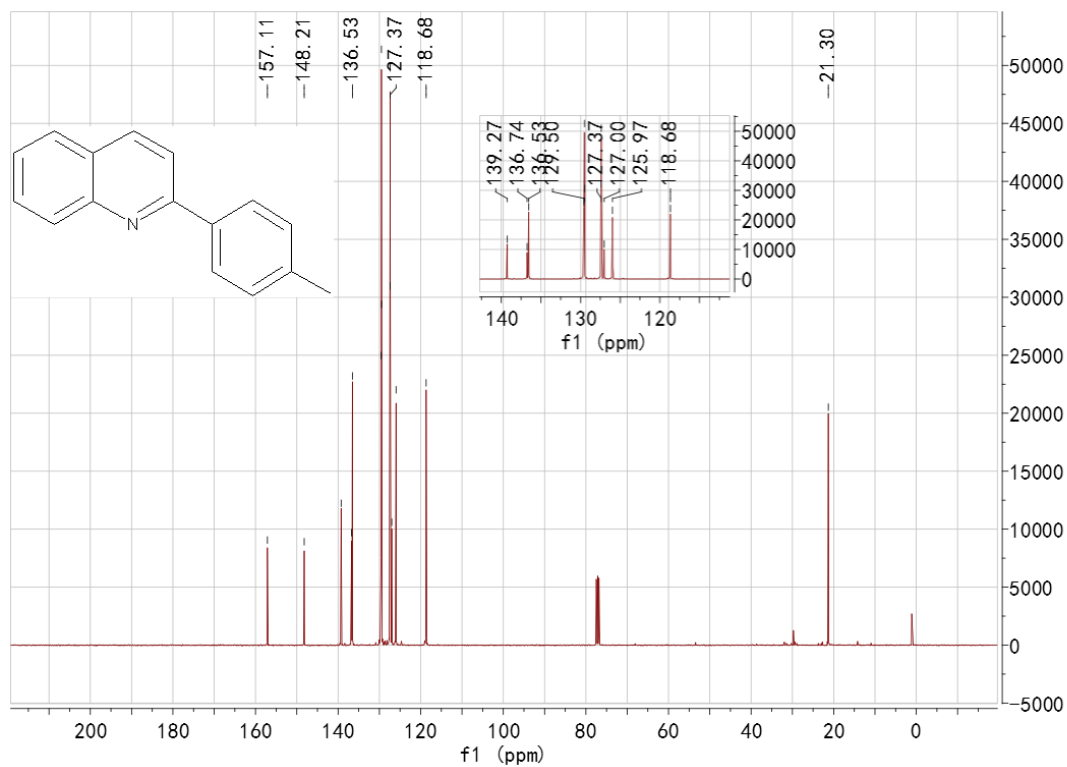
¹³C NMR of compound **3a**



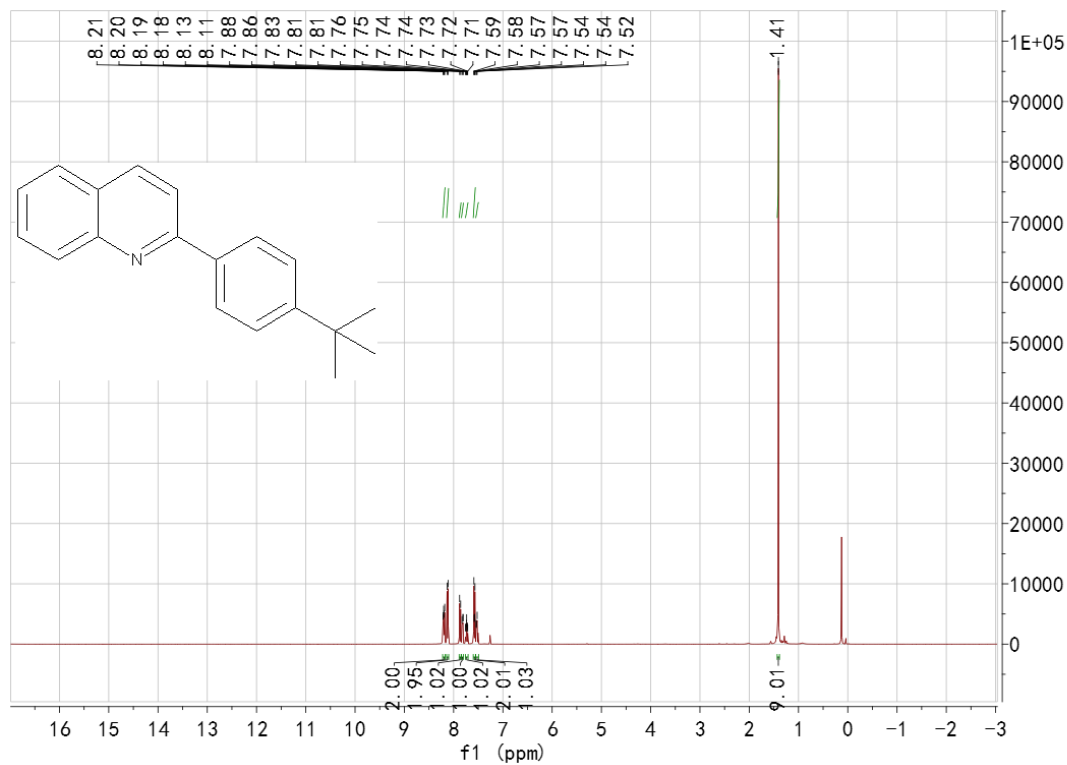
¹H NMR of compound **3b**



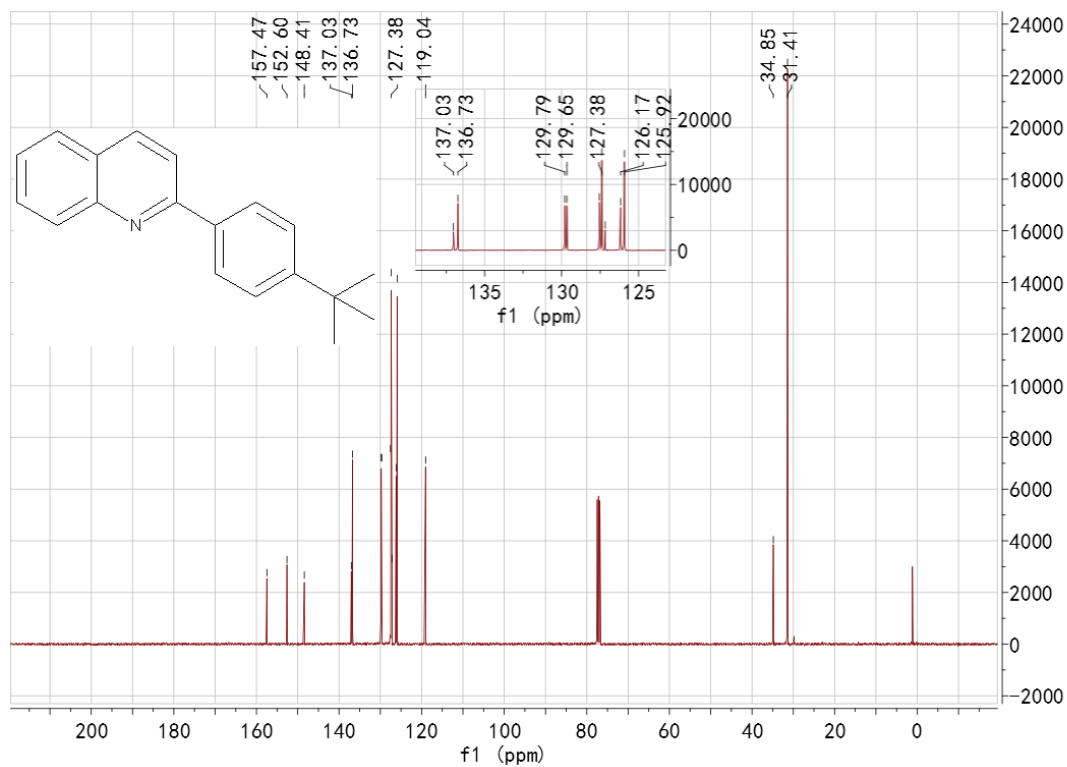
¹³C NMR of compound **3b**



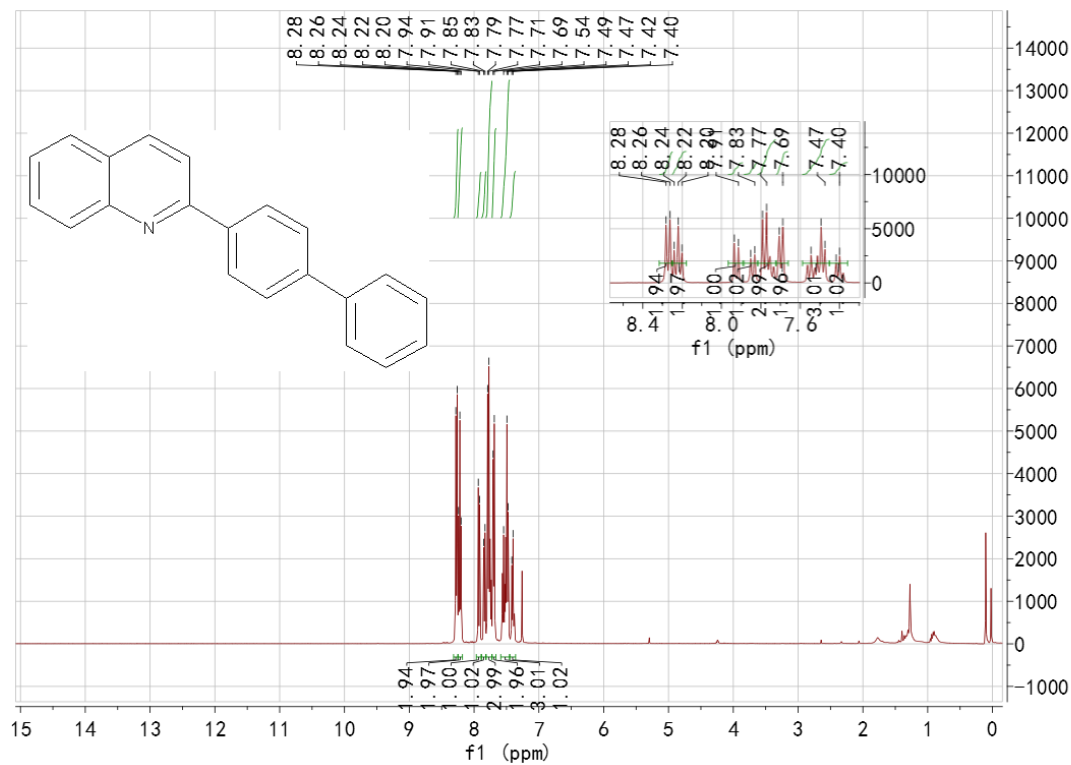
¹H NMR of compound **3c**



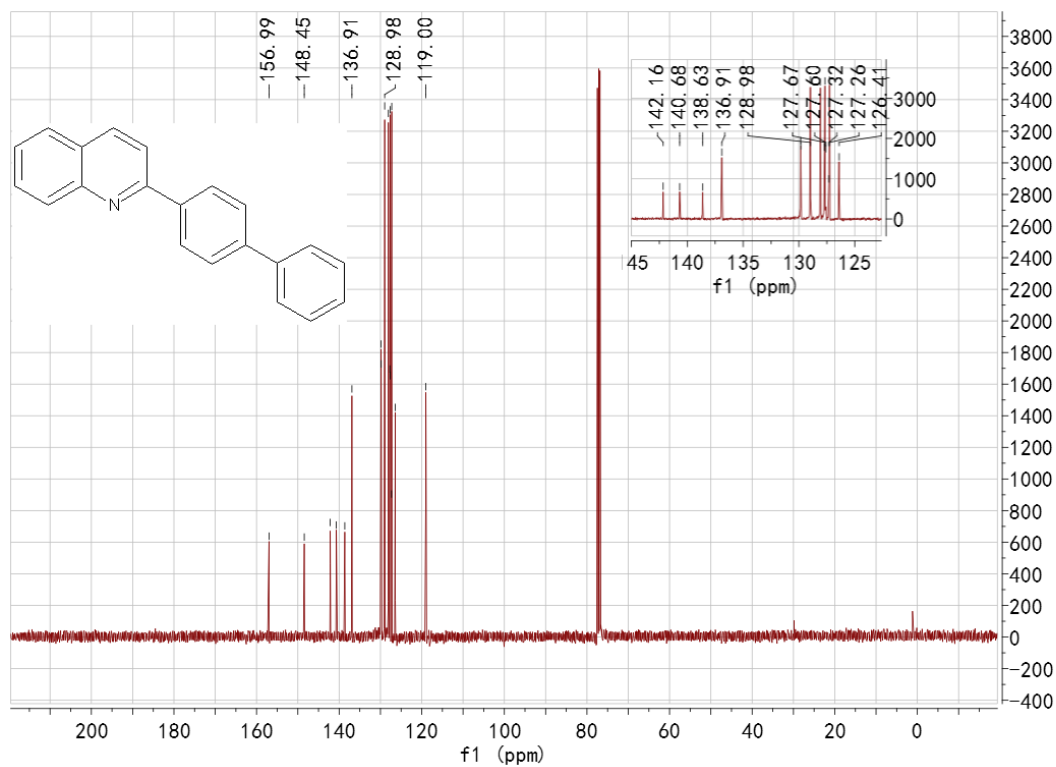
¹³C NMR of compound **3c**



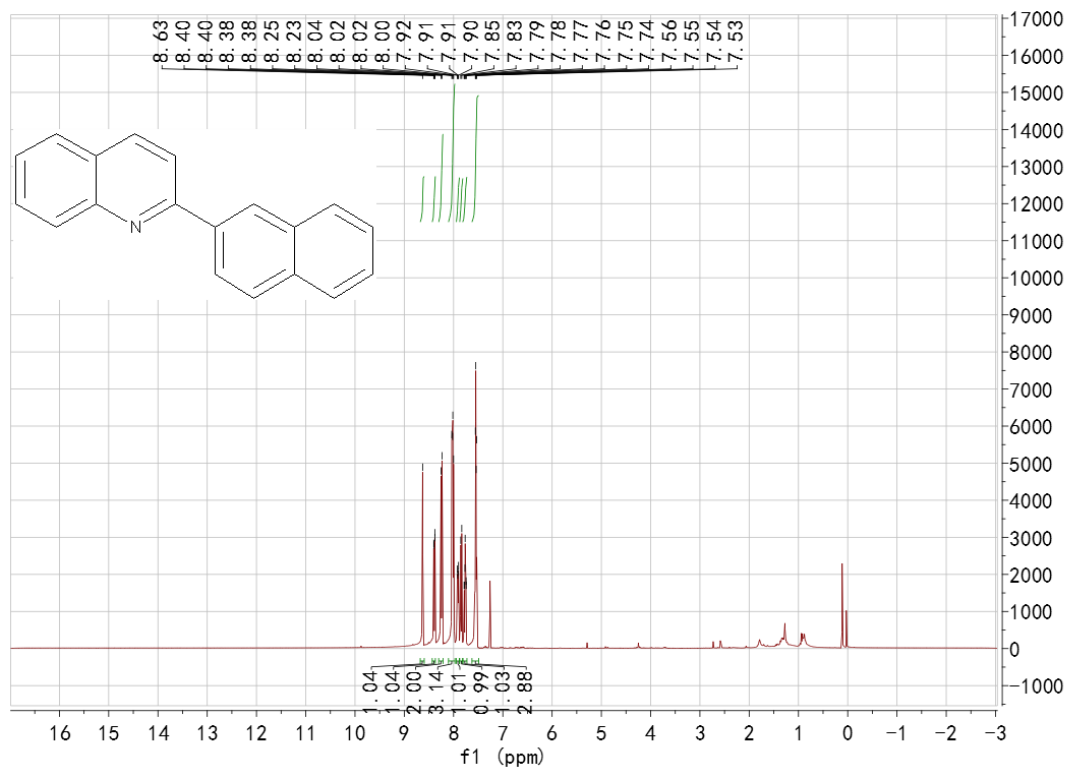
¹H NMR of compound **3d**



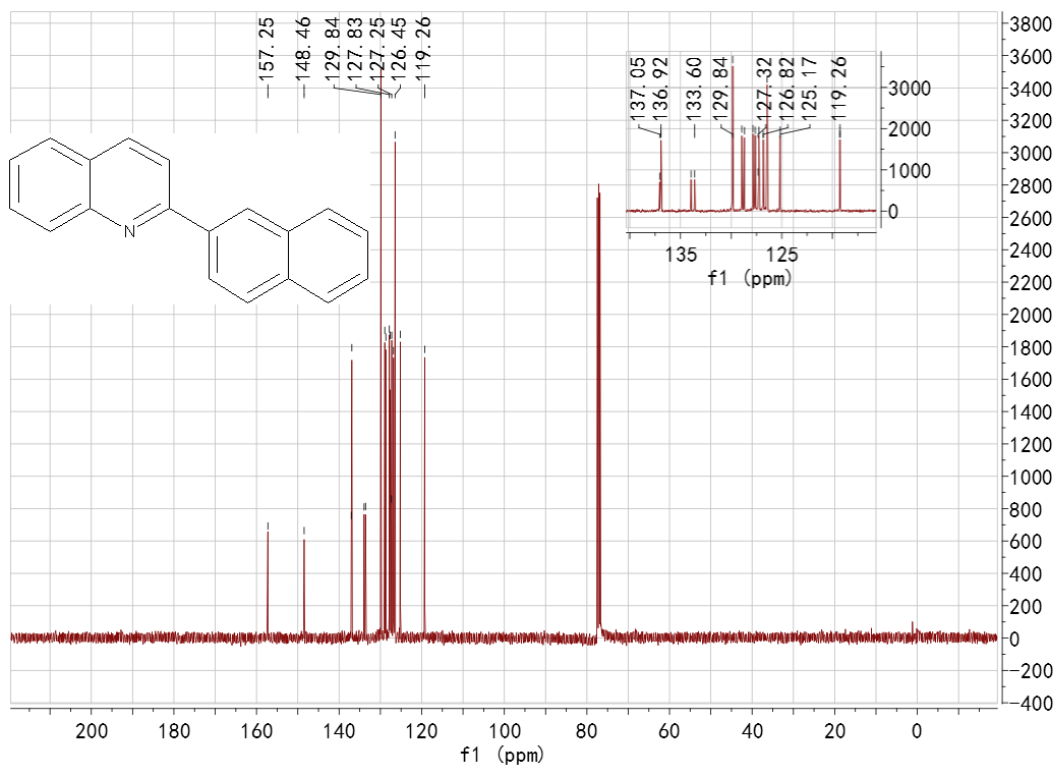
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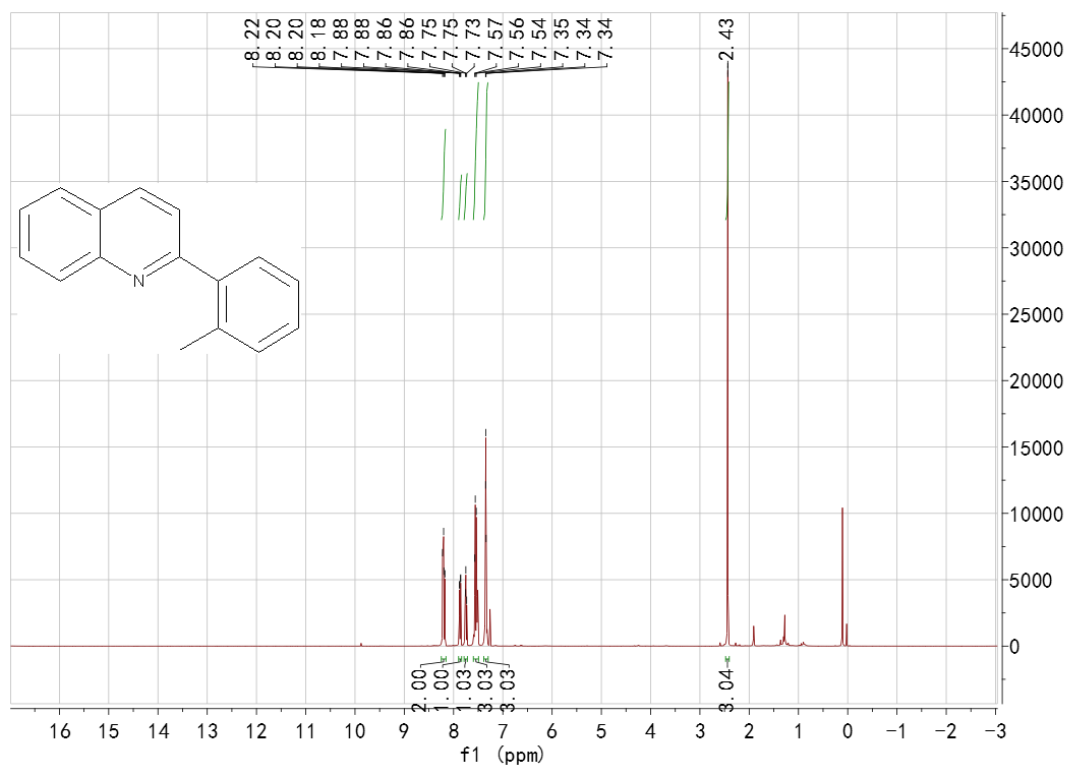
¹H NMR of compound **3e**



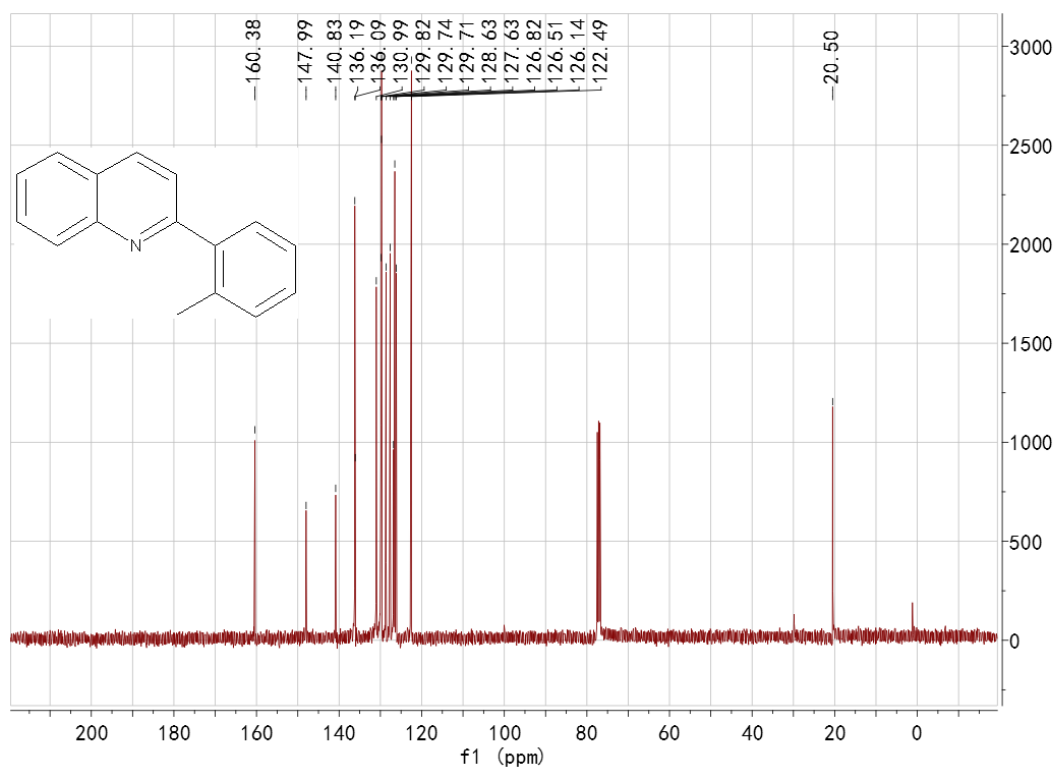
¹³C NMR of compound **3e**



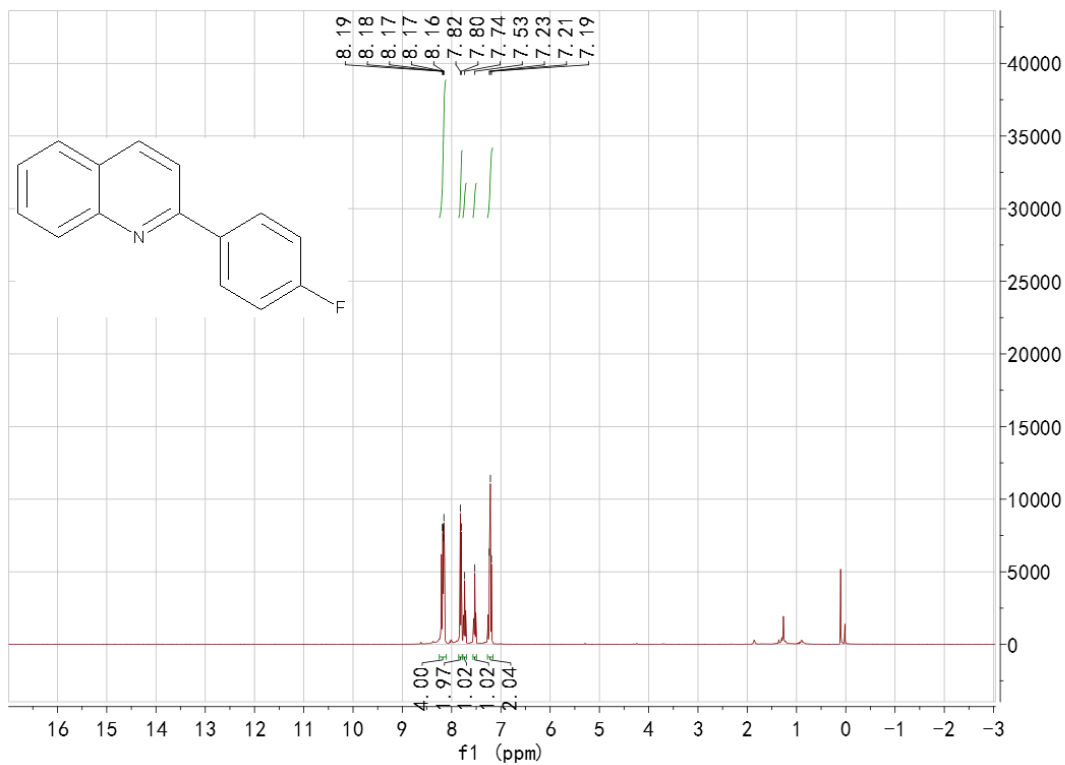
¹H NMR of compound **3f**



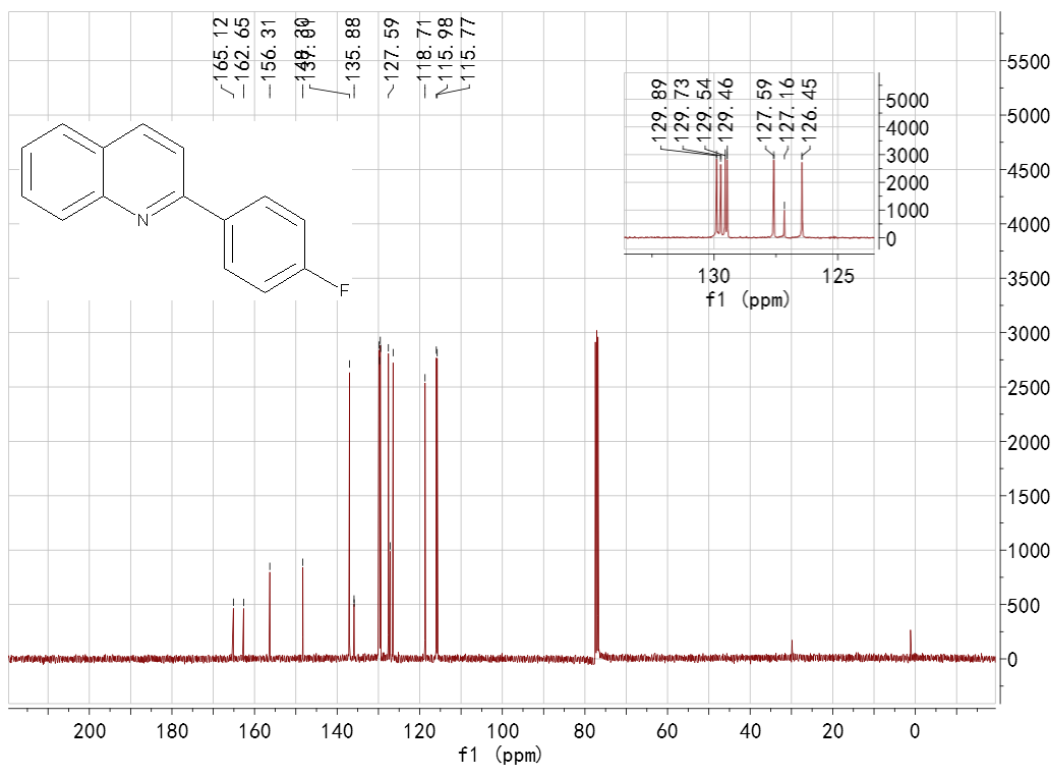
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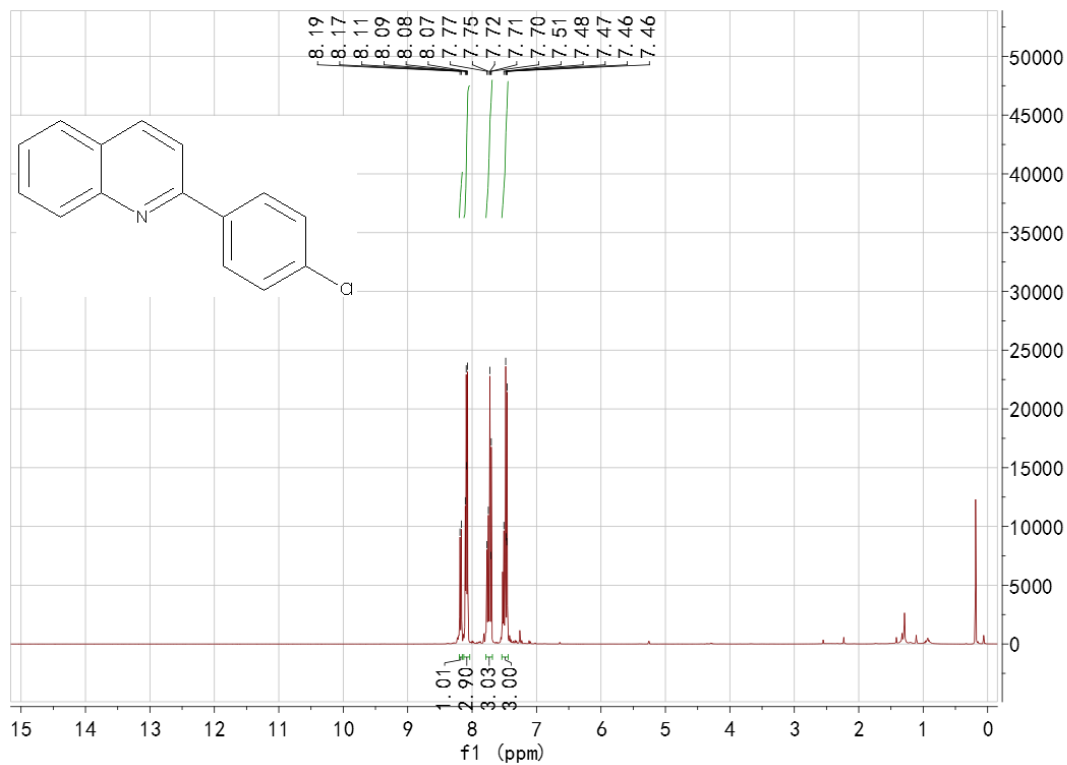
¹H NMR of compound **3g**



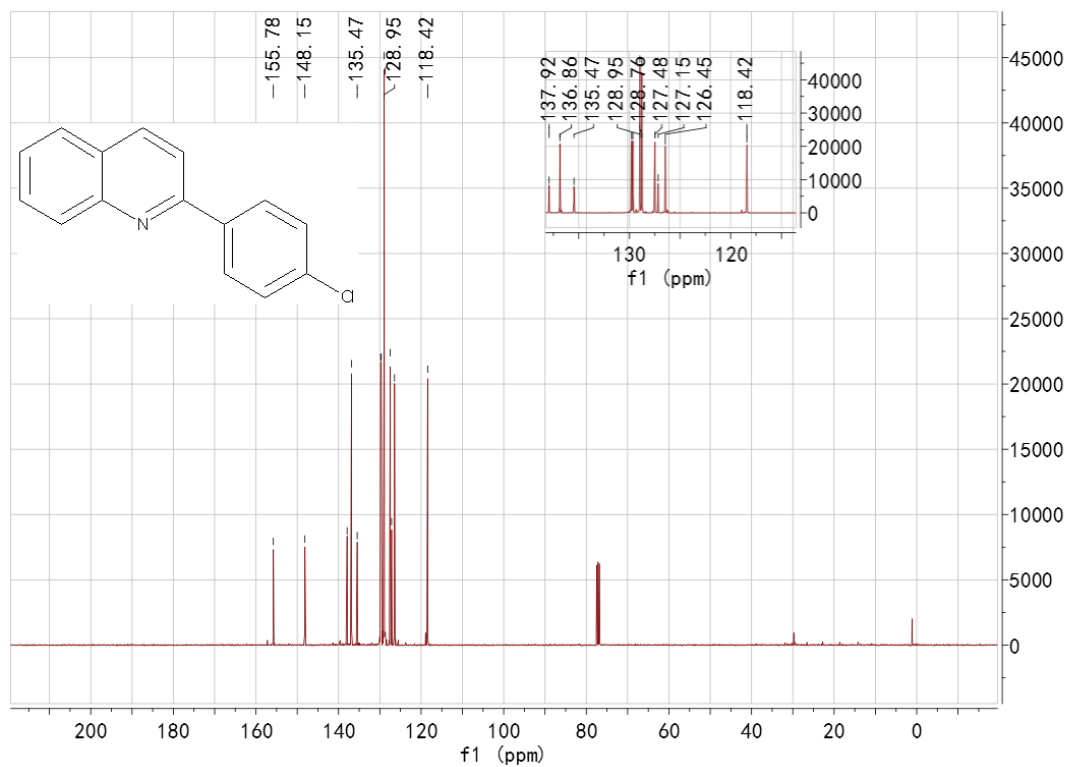
¹³C NMR of compound **3g**



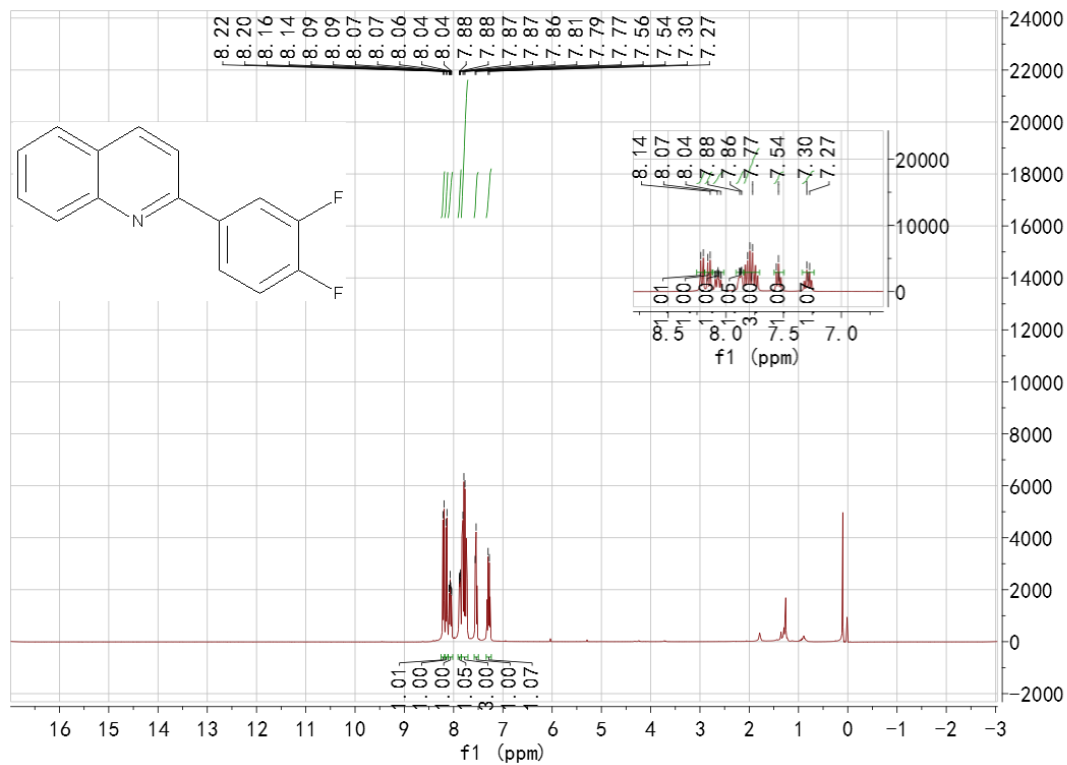
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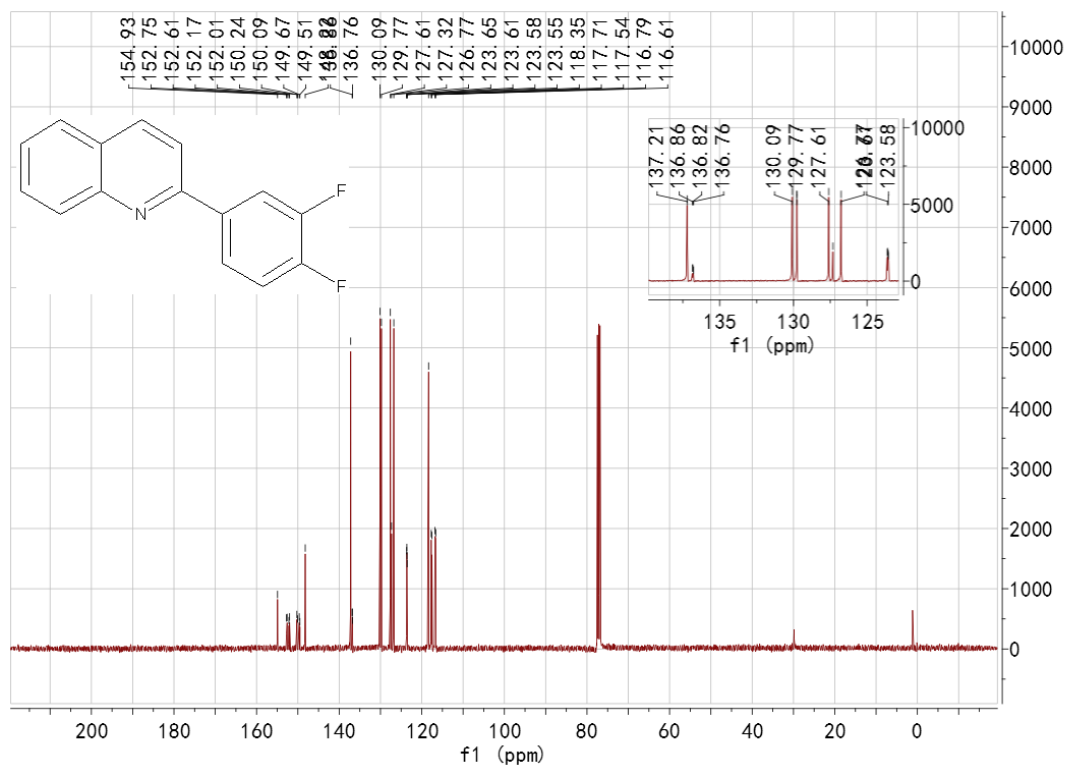
¹³C NMR of compound **3h**



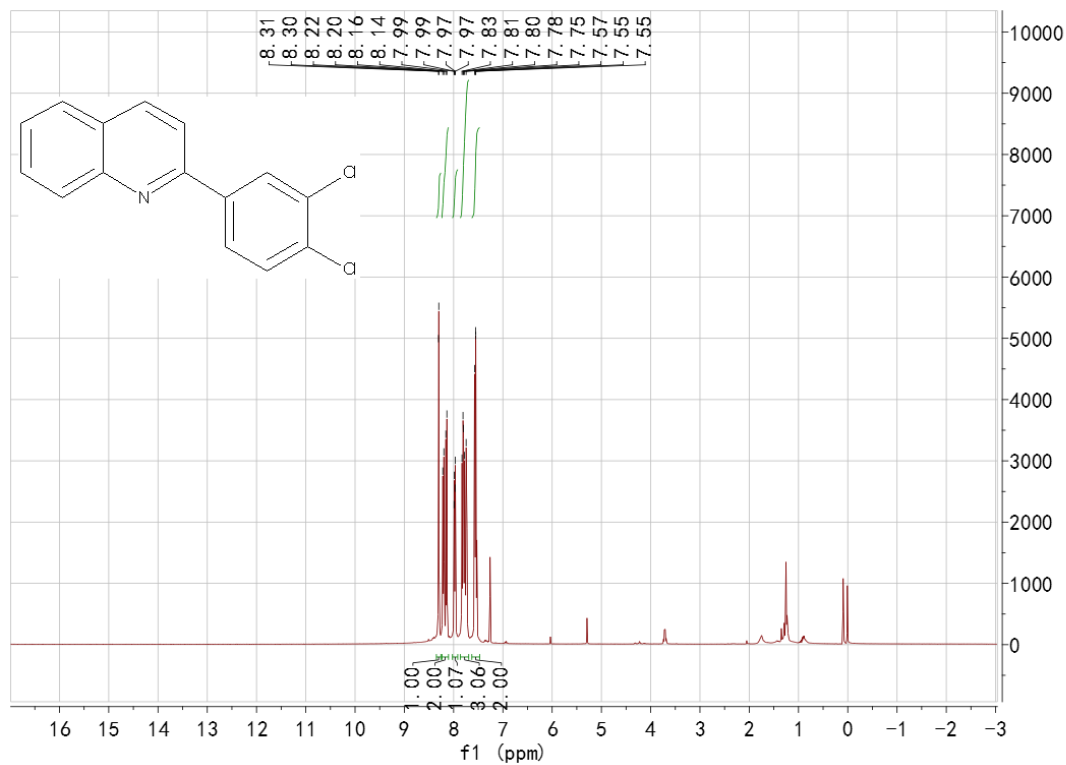
¹H NMR of compound **3i**



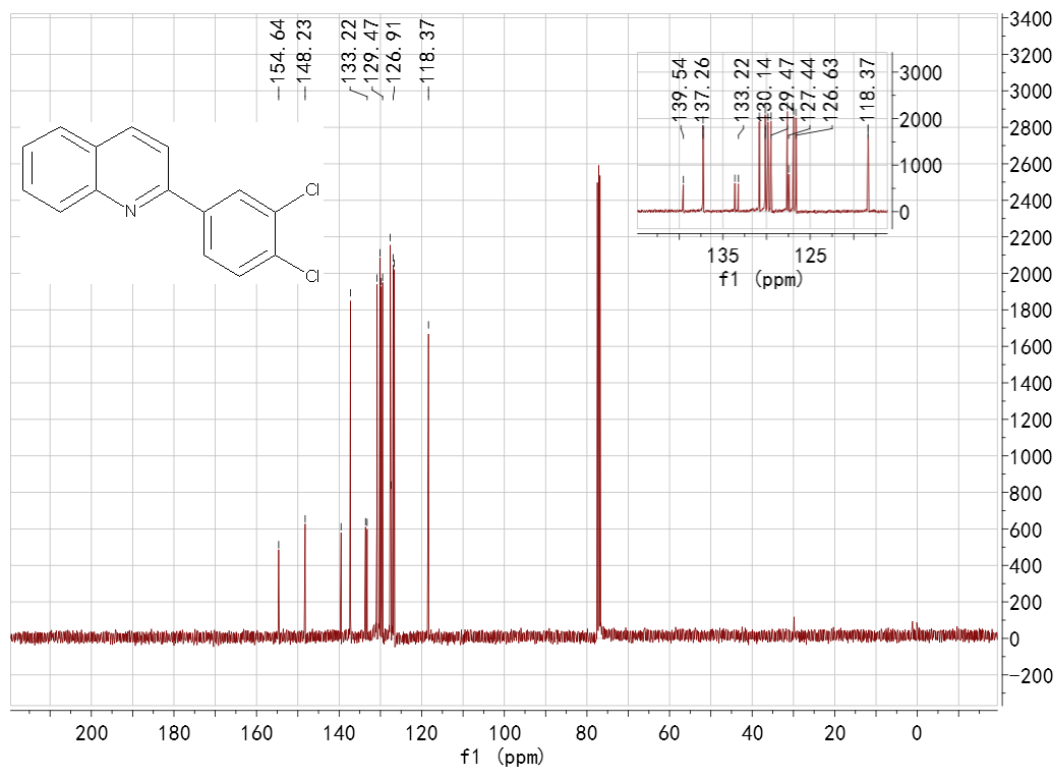
¹³C NMR of compound **3i**



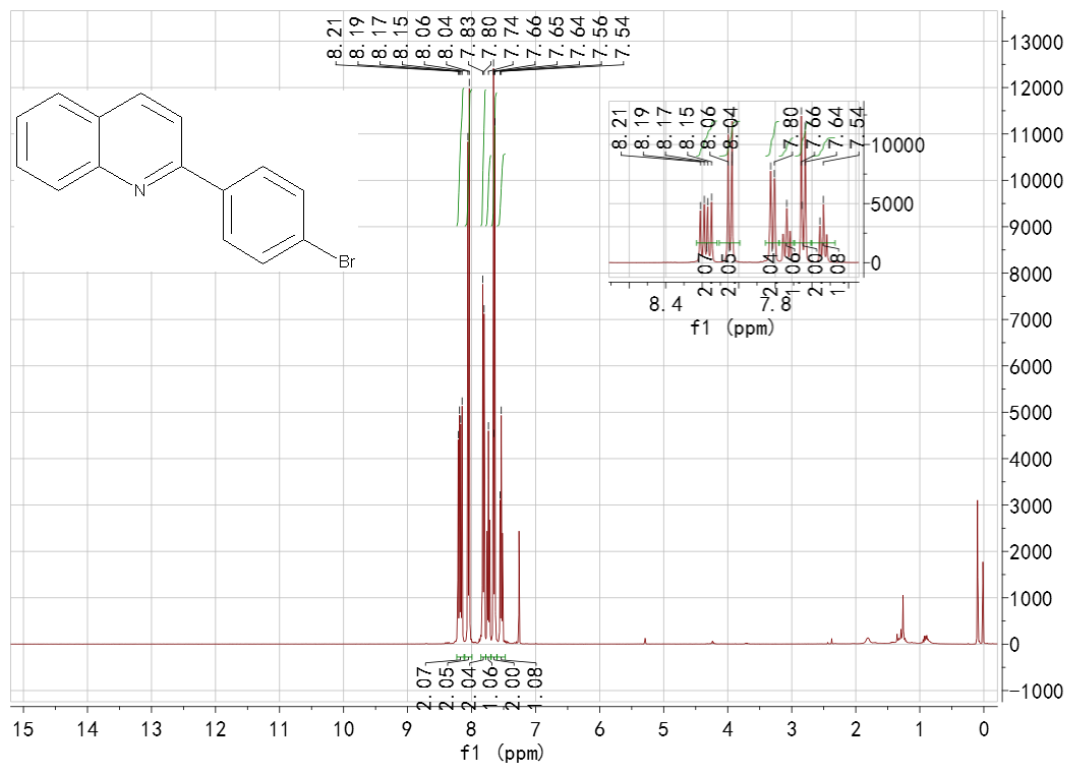
¹H NMR of compound **3j**



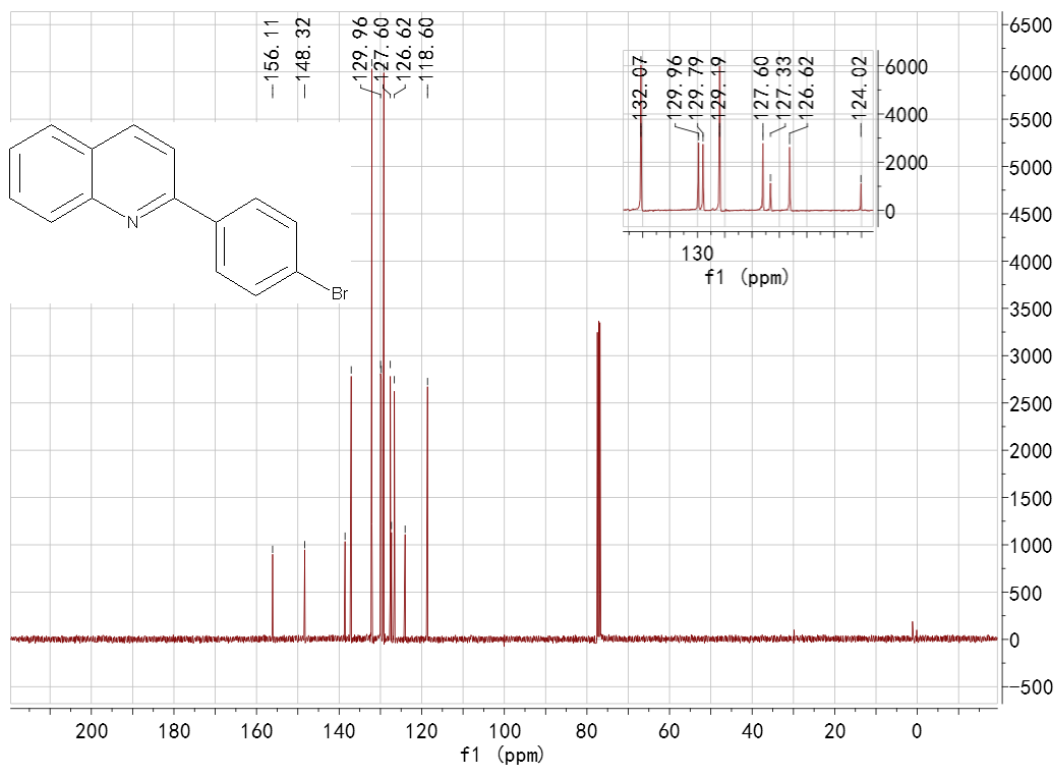
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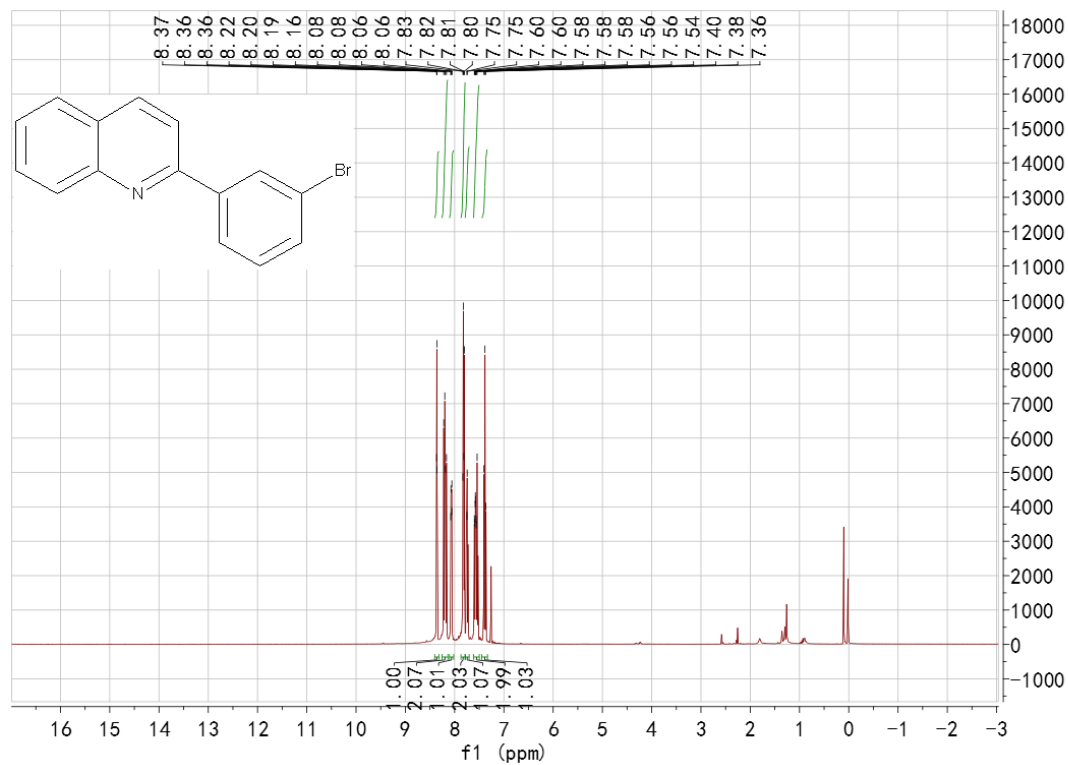
¹H NMR of compound **3k**



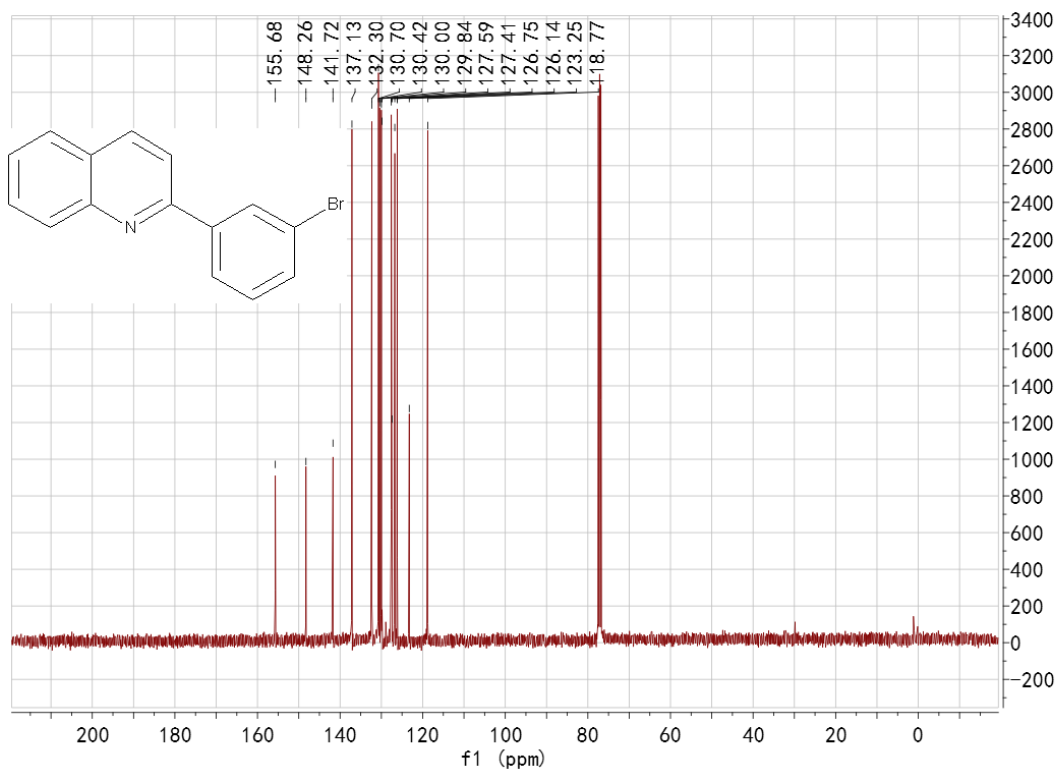
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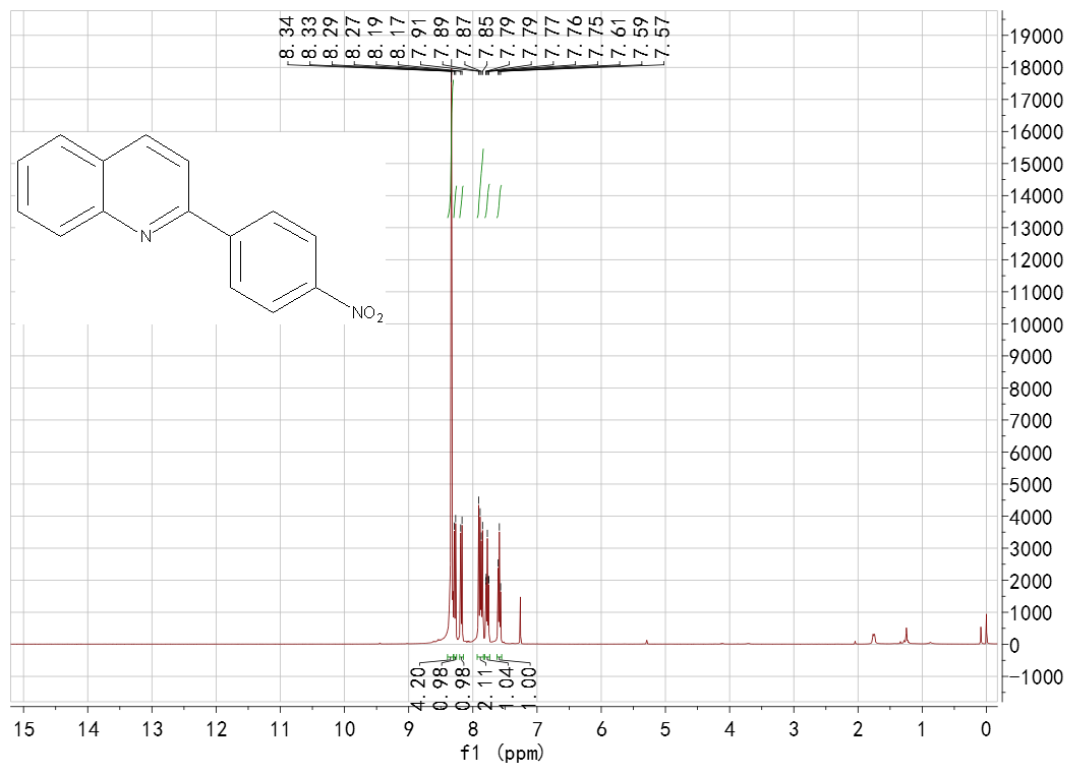
¹H NMR of compound **3I**



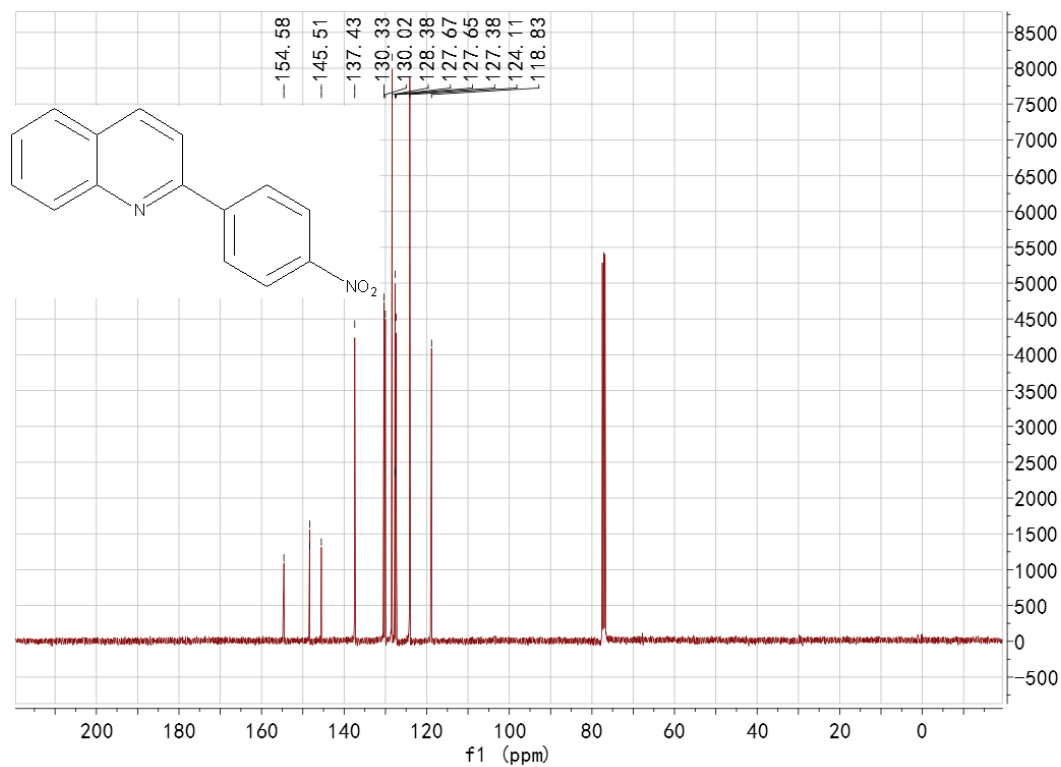
¹³C NMR of compound **3I**



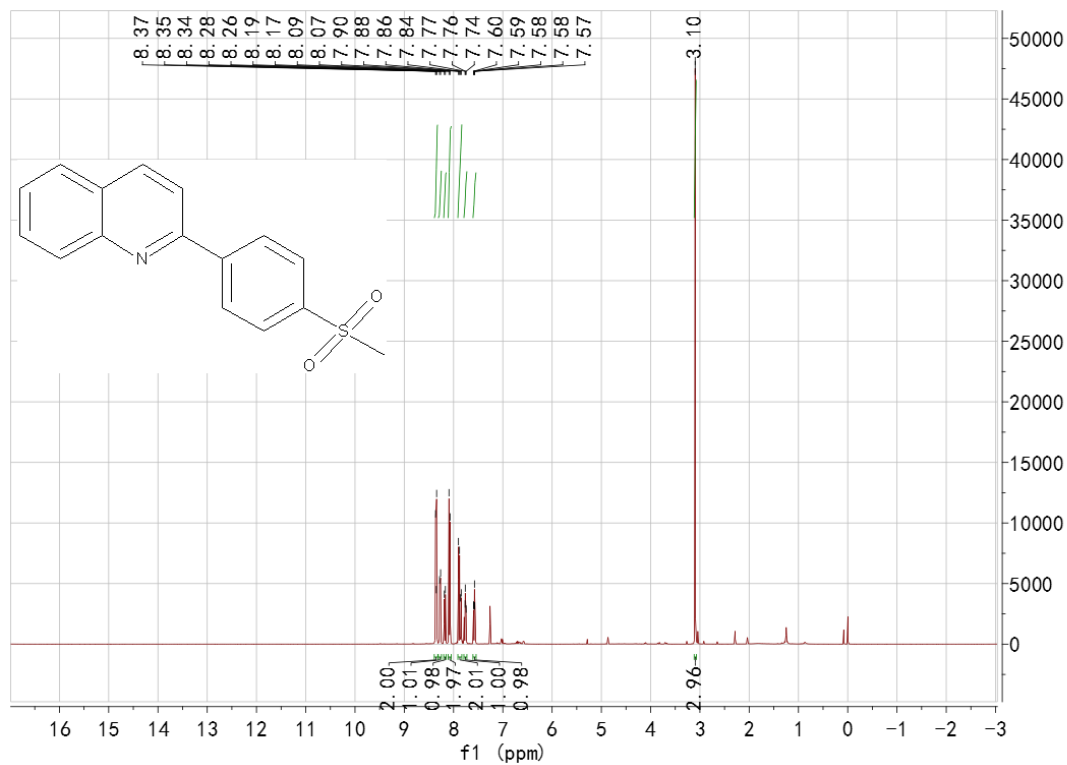
¹H NMR of compound **3m**



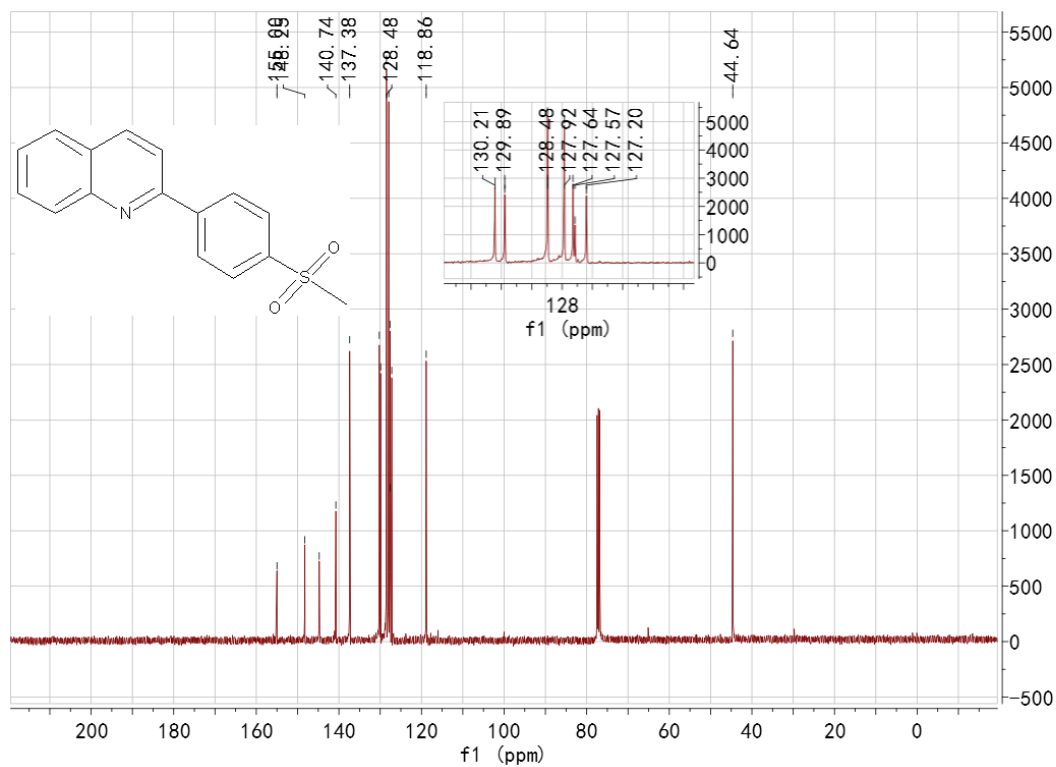
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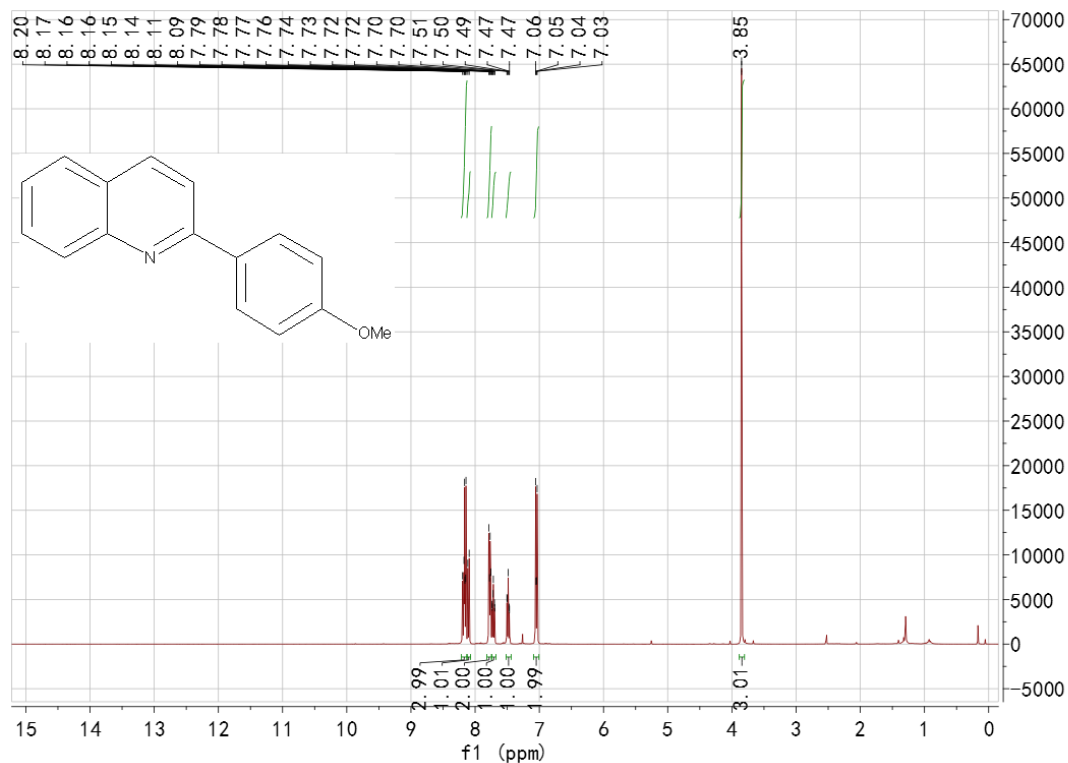
¹H NMR of compound **3n**



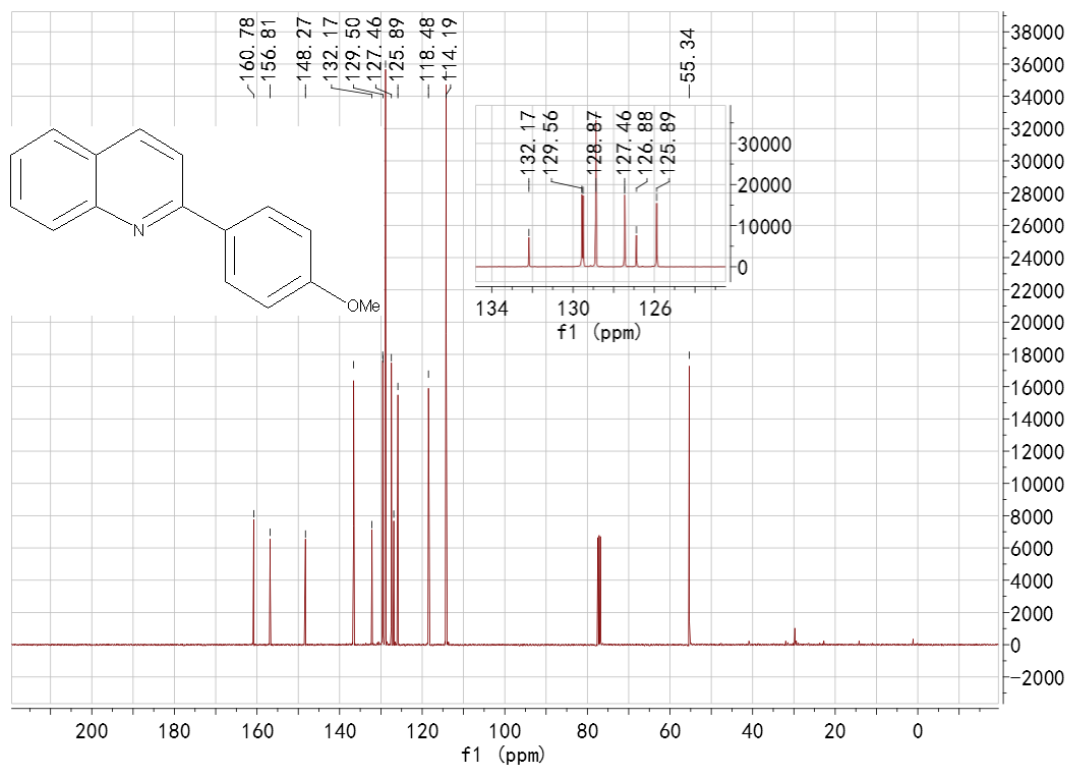
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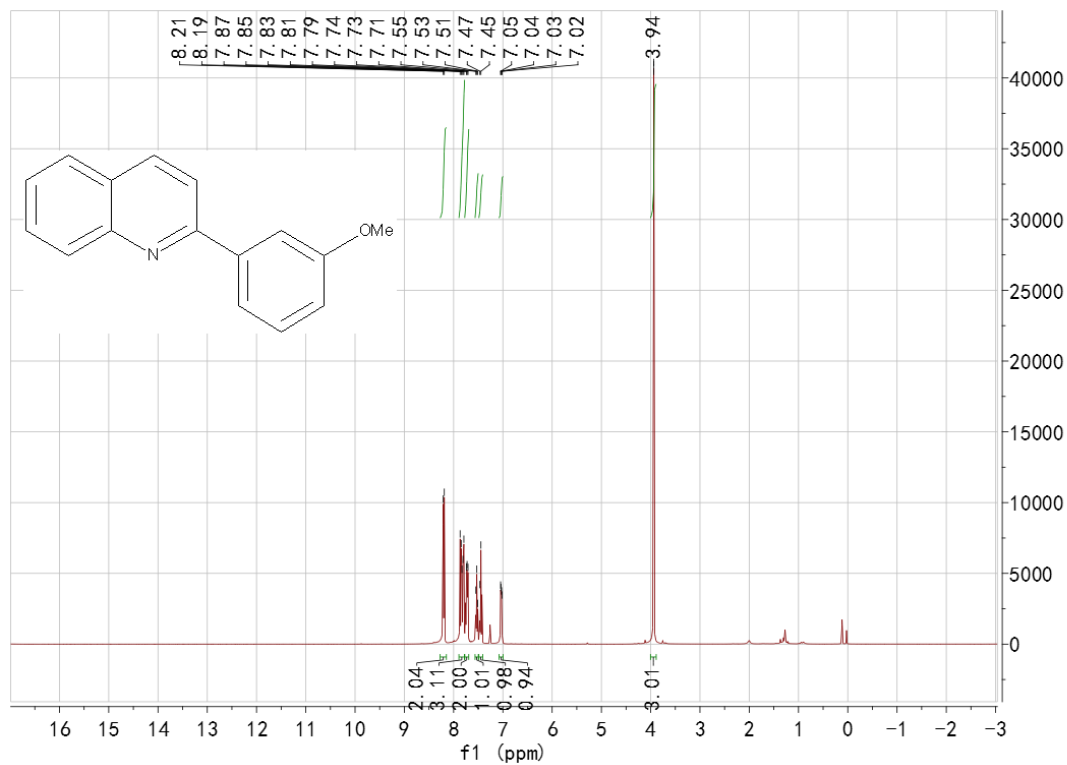
¹H NMR of compound **3o**



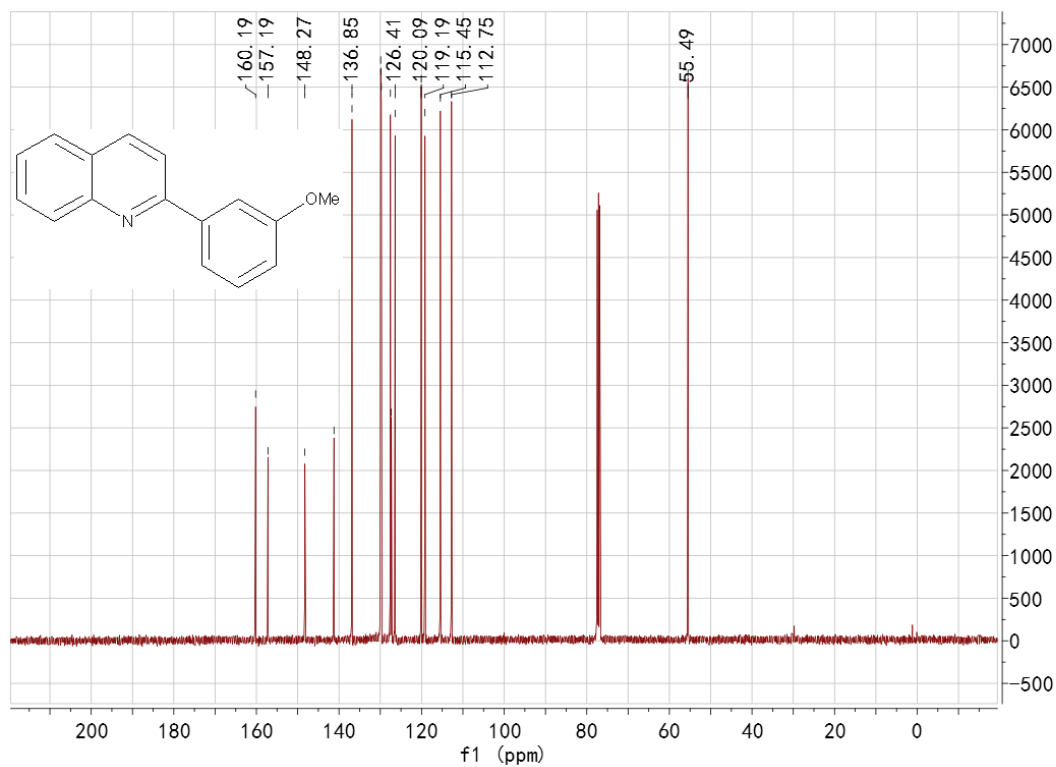
¹³C NMR of compound **3o**



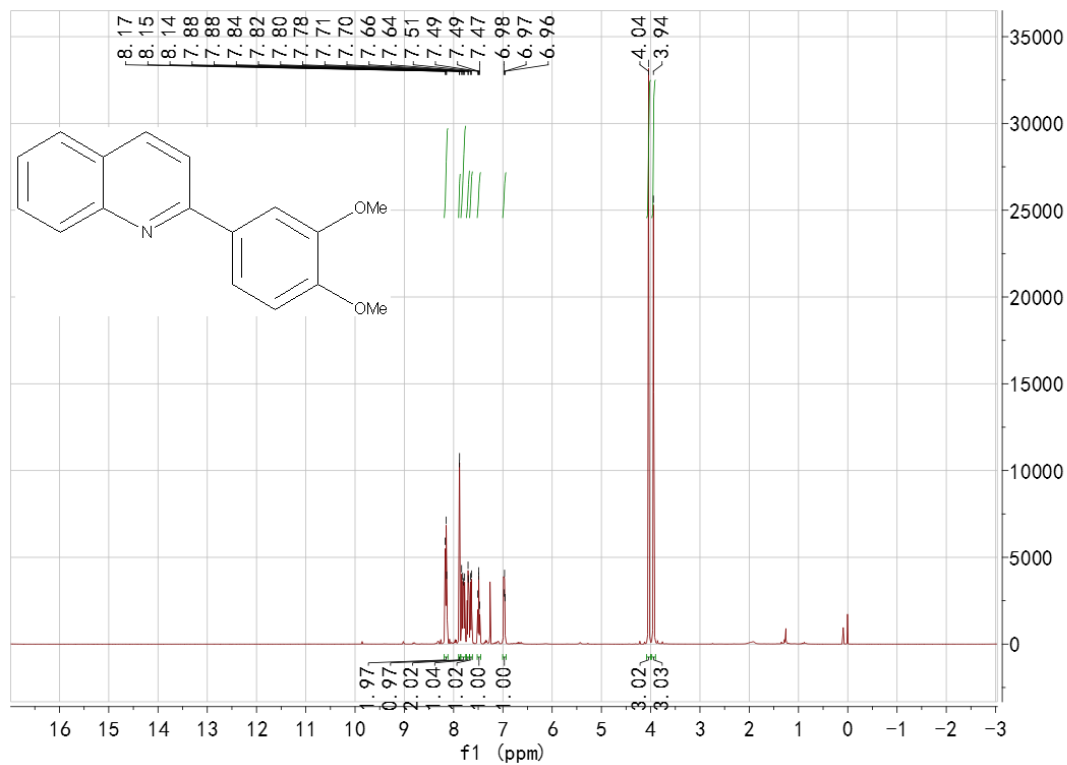
¹H NMR of compound **3p**



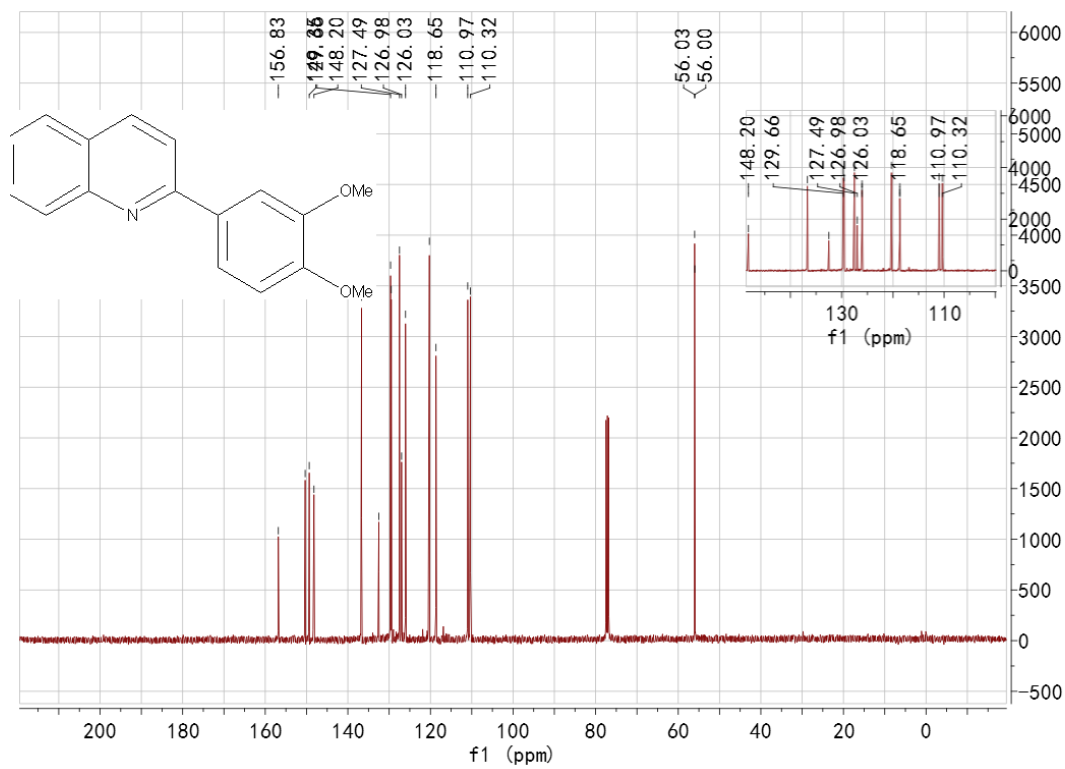
¹³C NMR of compound **3p**



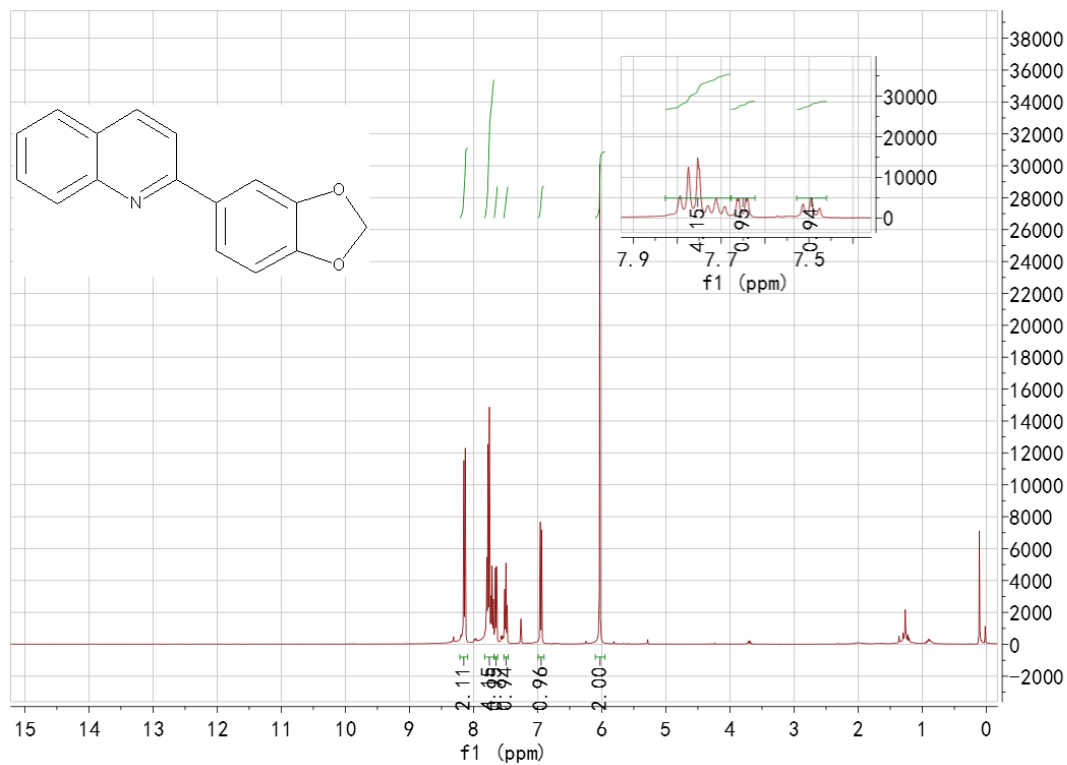
¹H NMR of compound **3q**



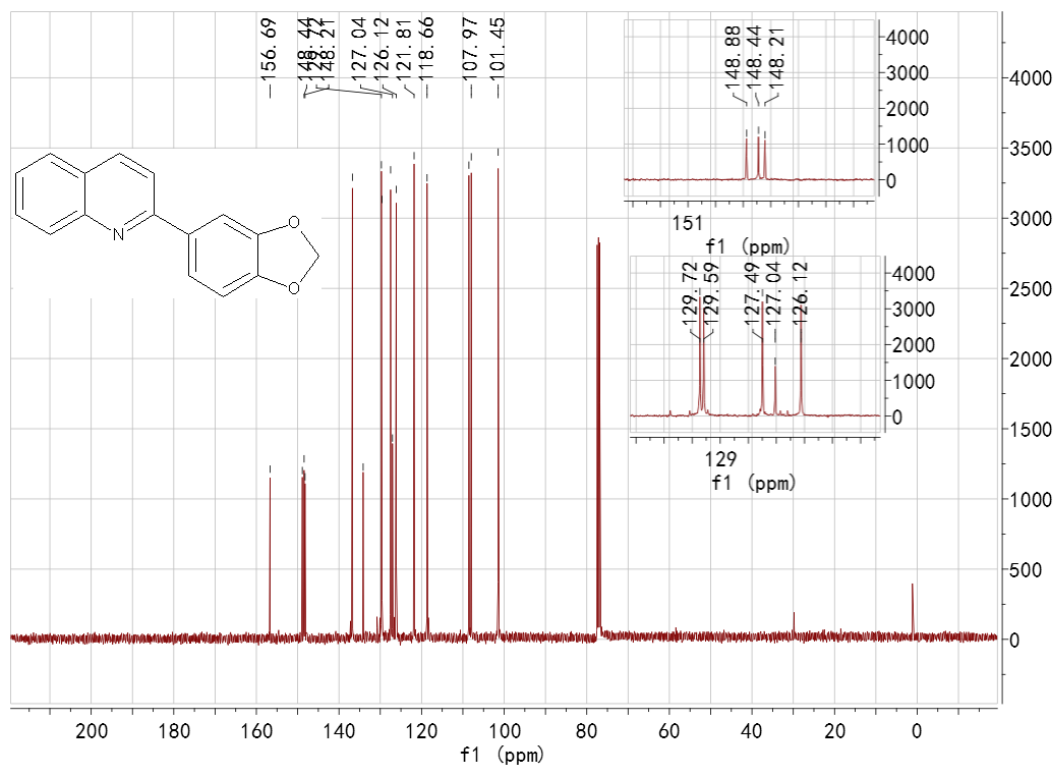
¹³C NMR of compound **3q**



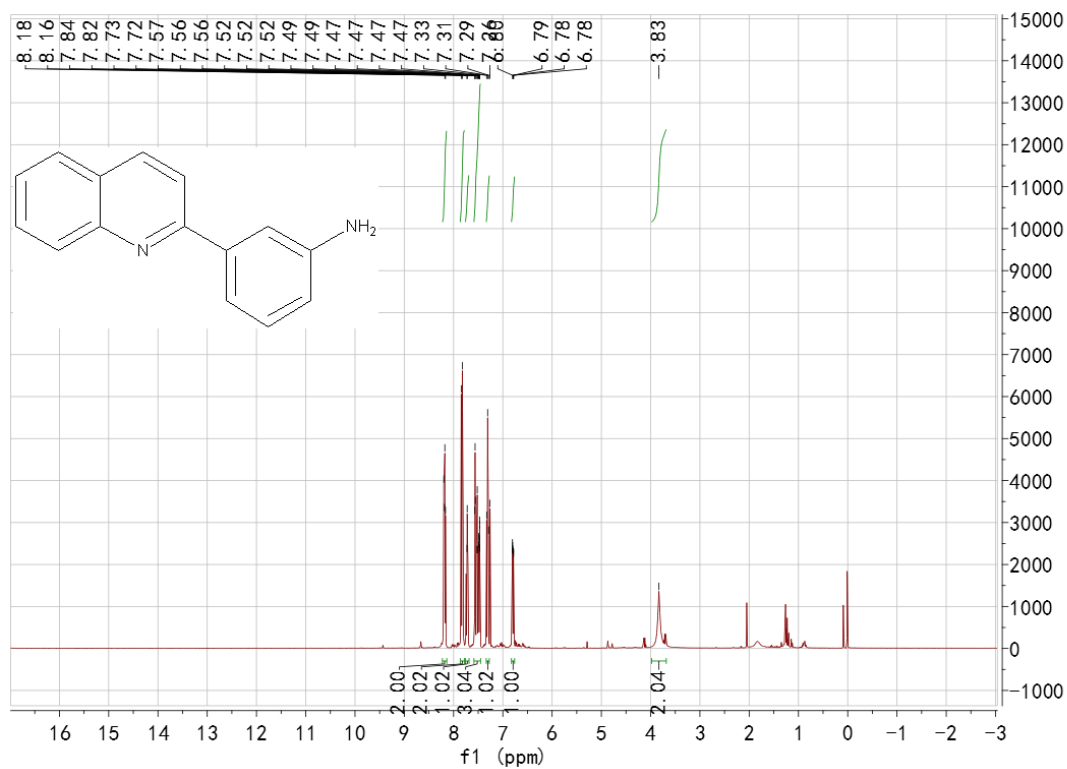
¹H NMR of compound **3r**



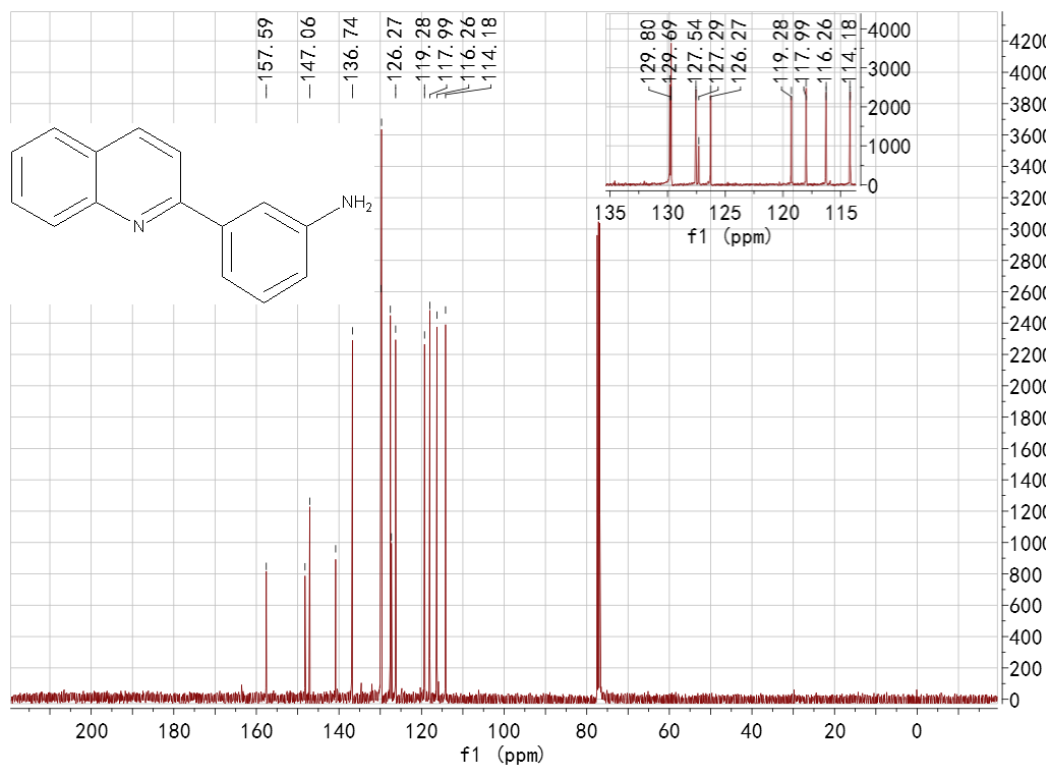
¹³C NMR of compound **3r**



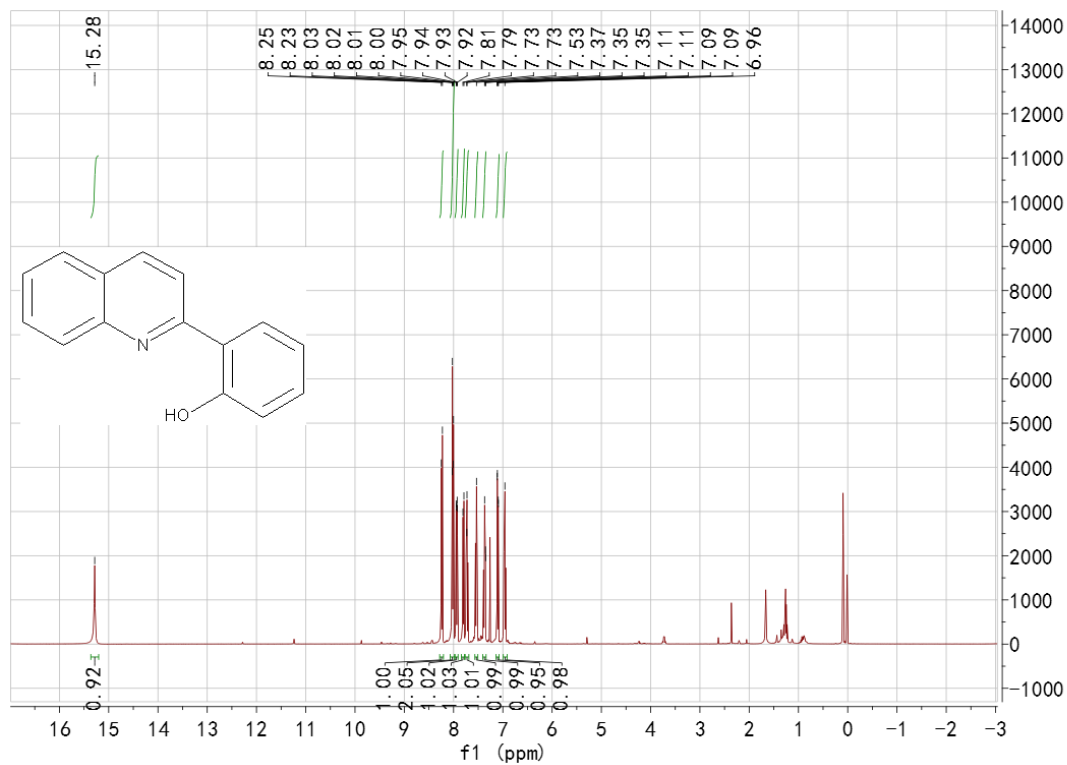
¹H NMR of compound **3s**



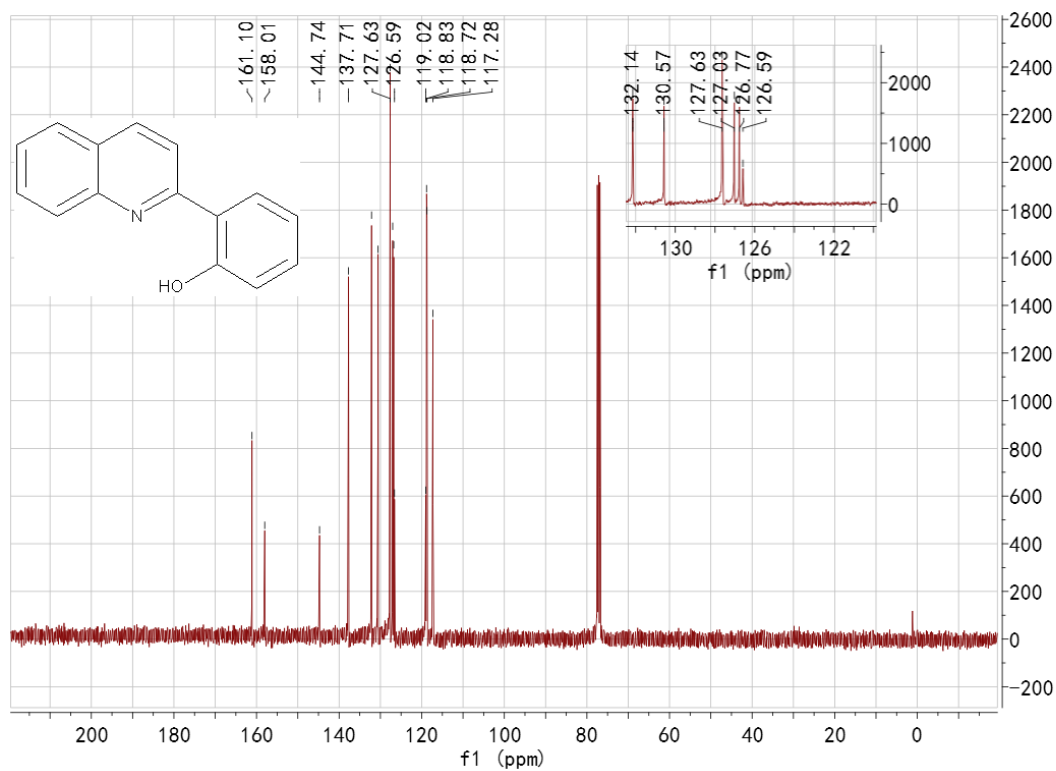
¹³C NMR of compound **3s**



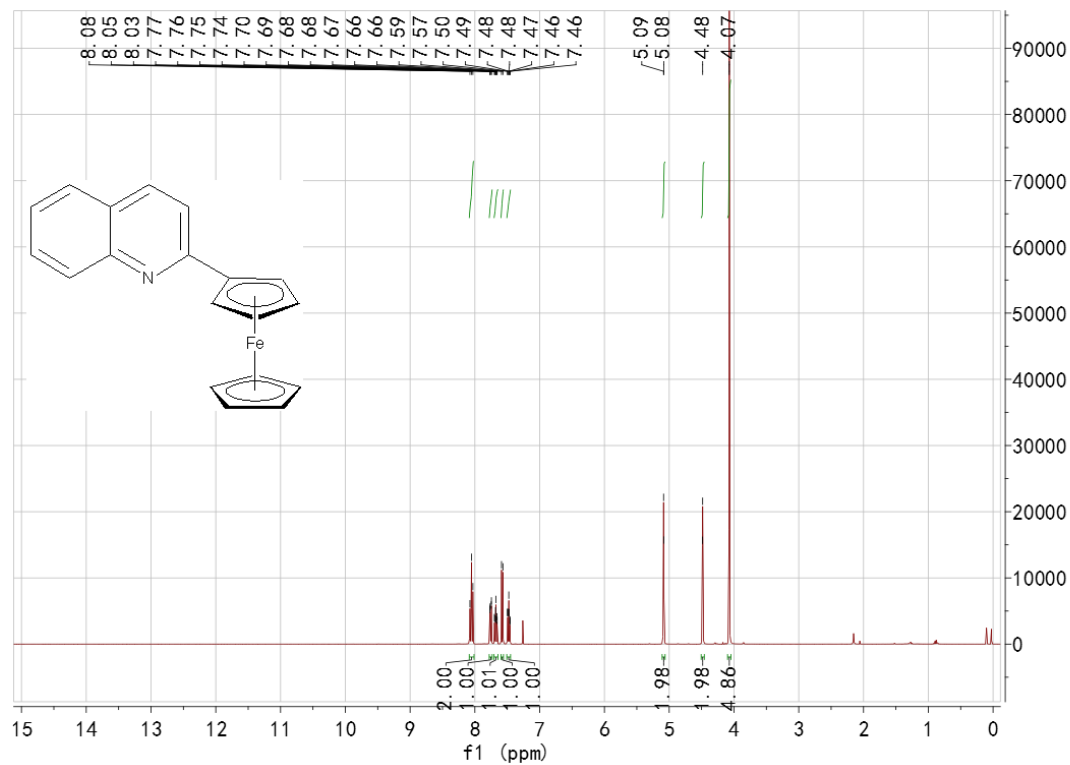
¹H NMR of compound **3t**



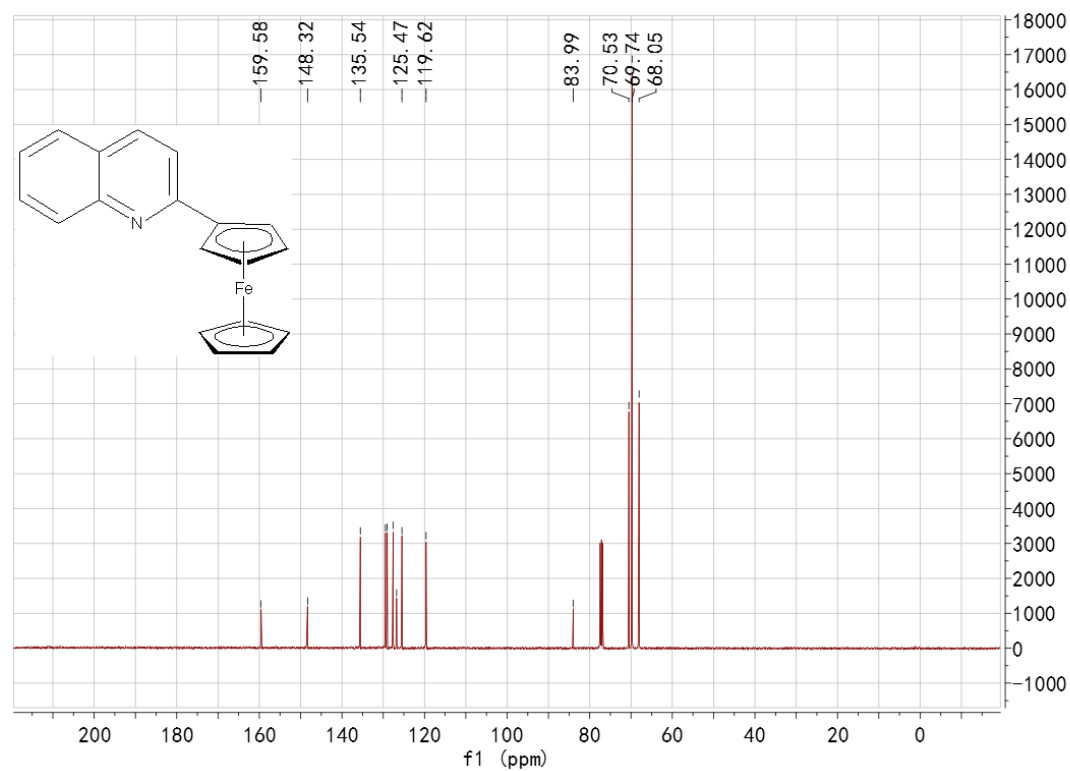
¹³C NMR of compound **3t**



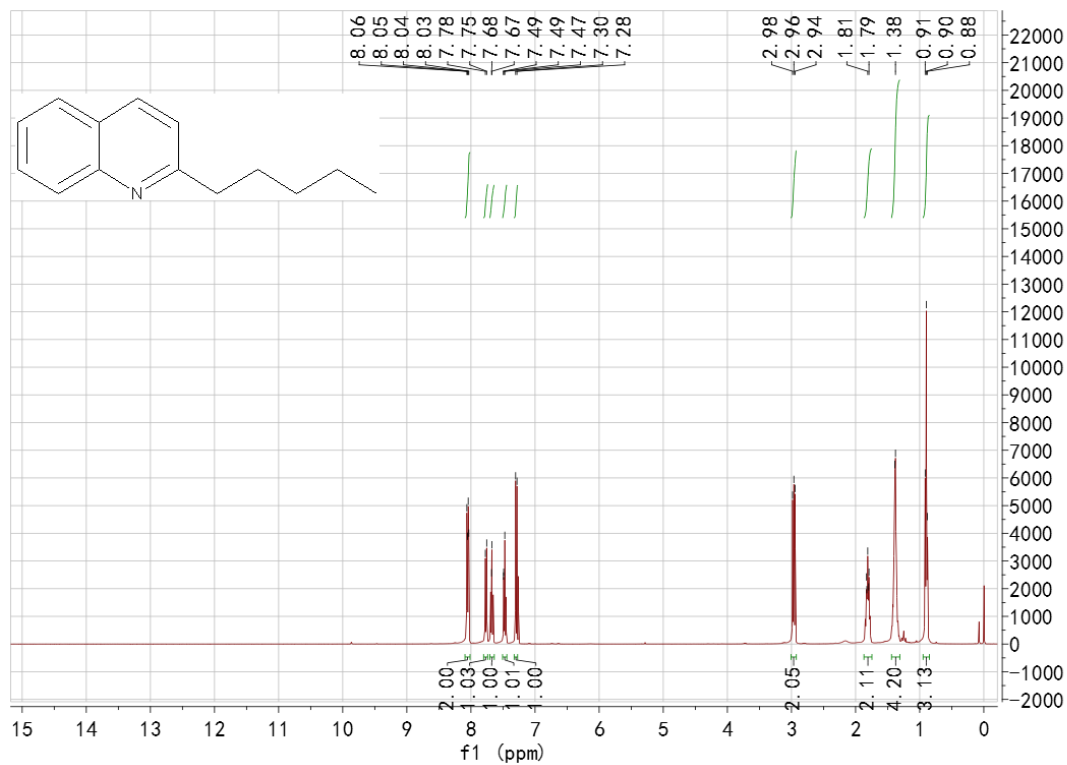
¹H NMR of compound **3u**



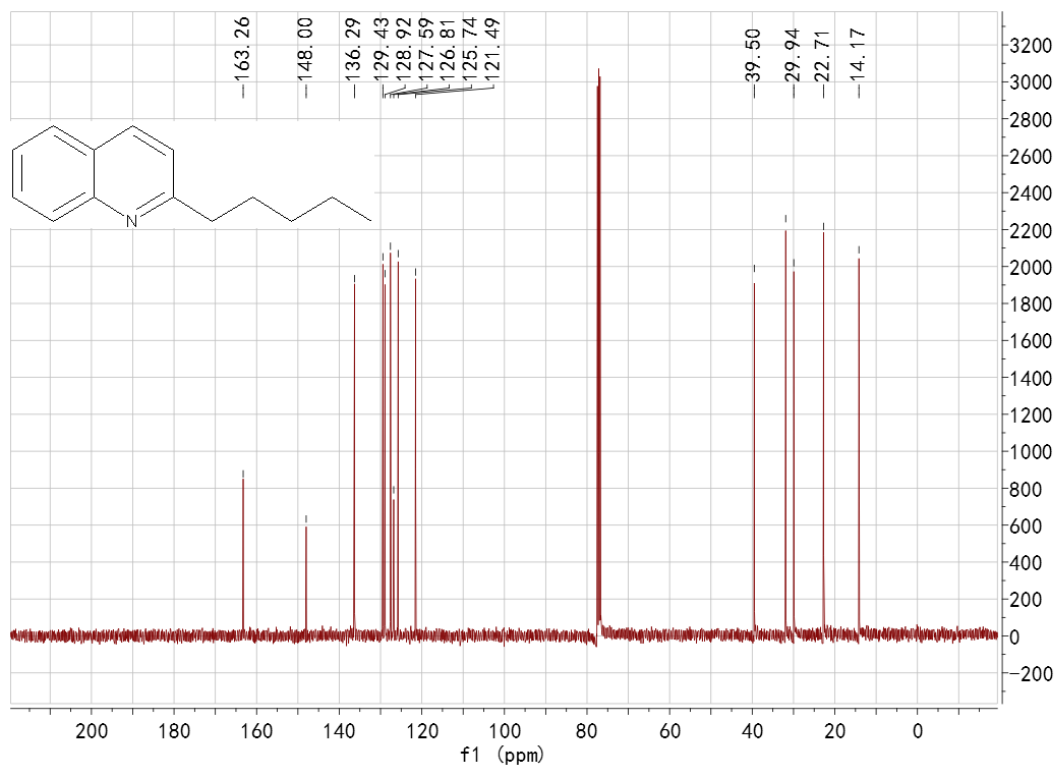
¹³C NMR of compound **3u**



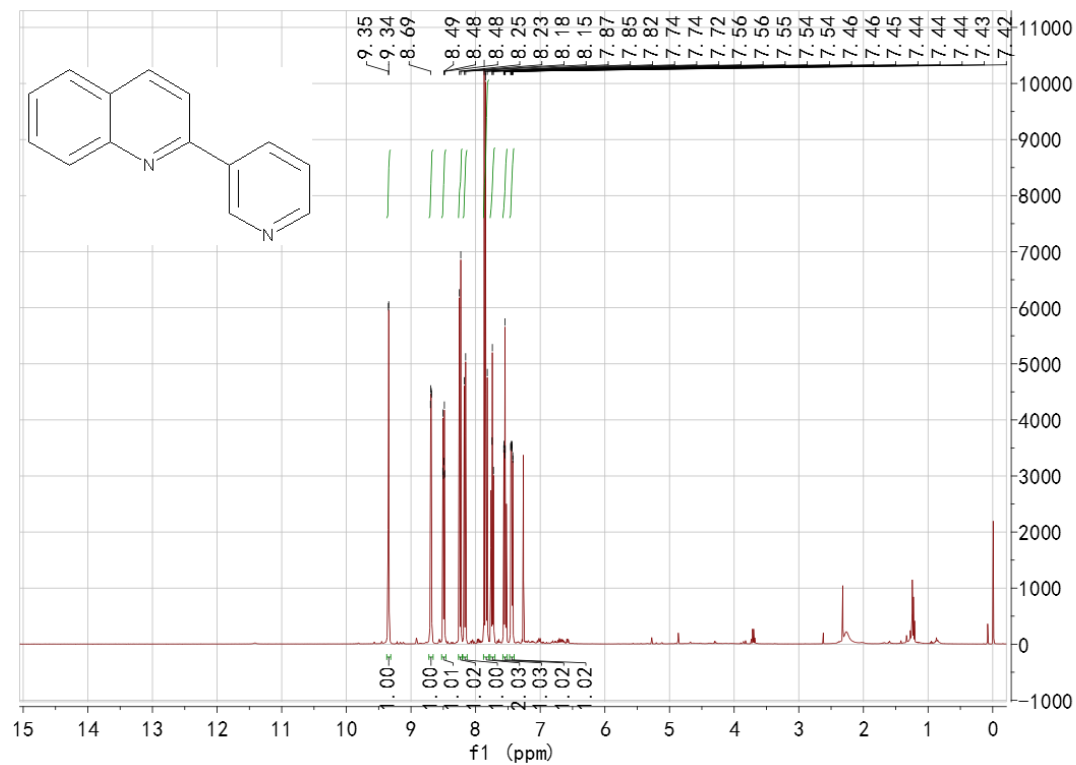
¹H NMR of compound **3v**



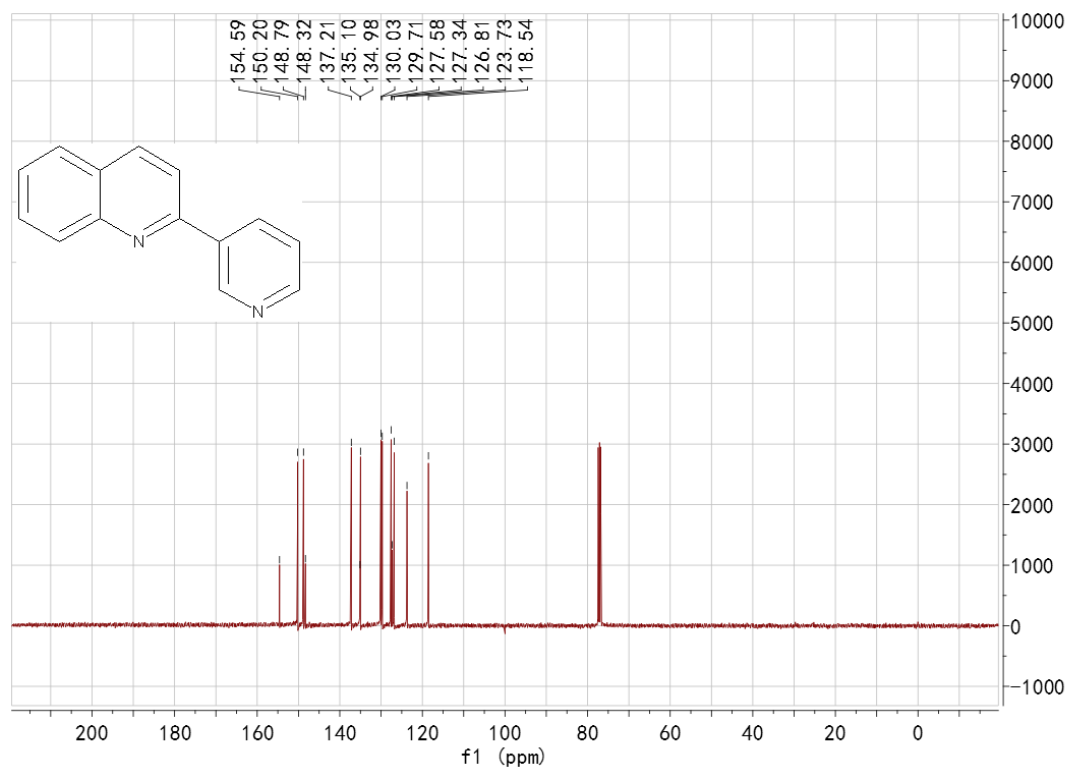
¹³C NMR of compound **3v**



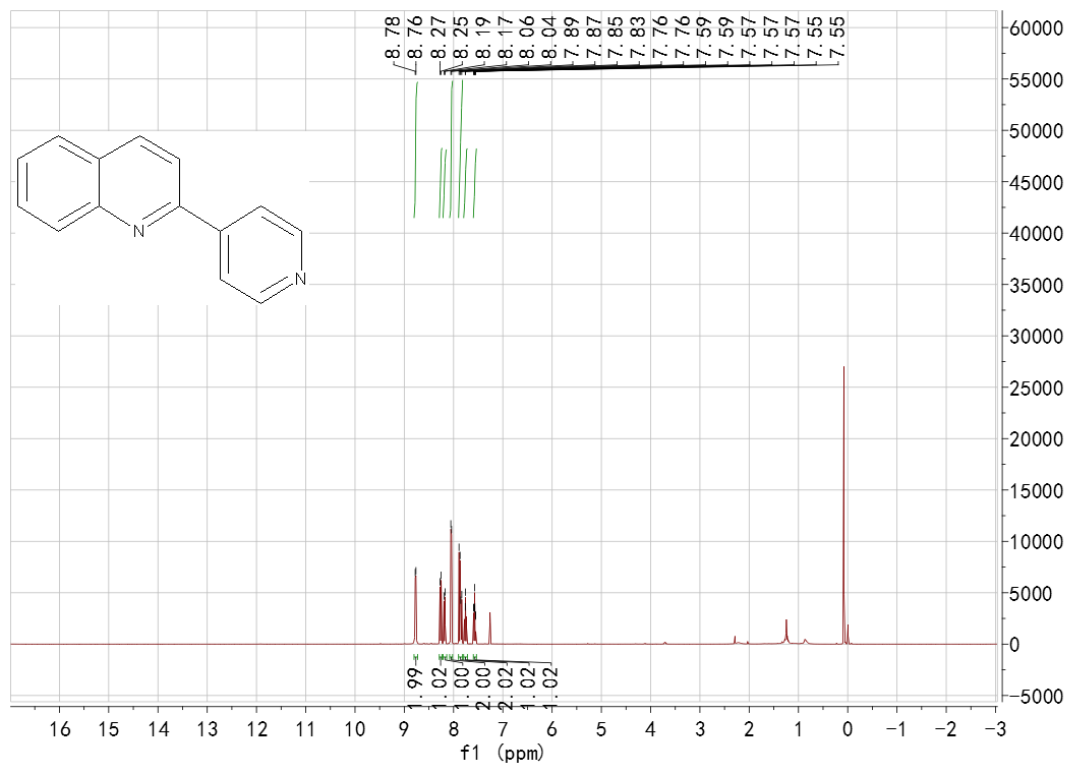
¹H NMR of compound **3w**



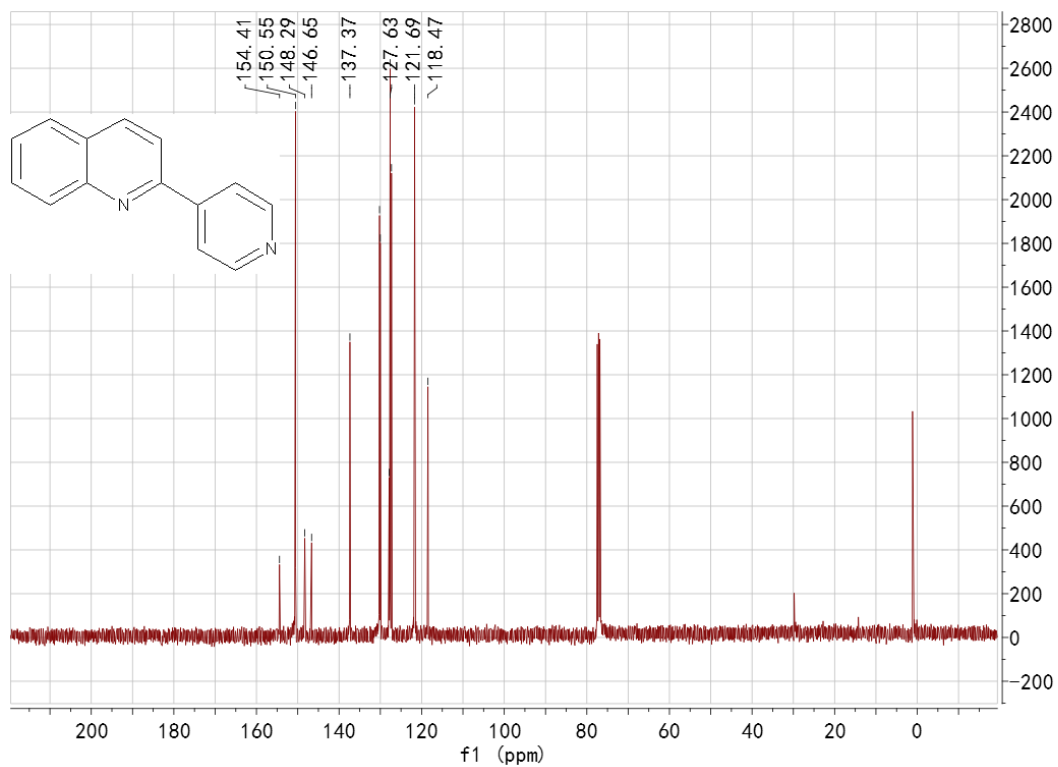
¹³C NMR of compound **3w**



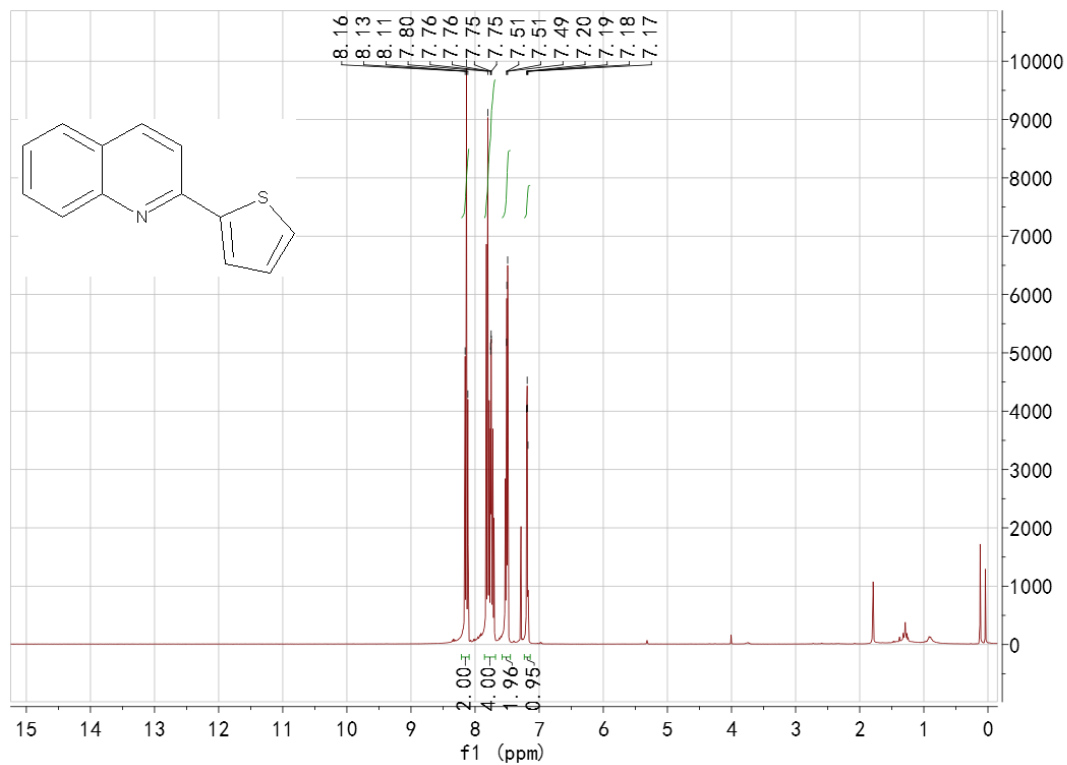
¹H NMR of compound **3x**



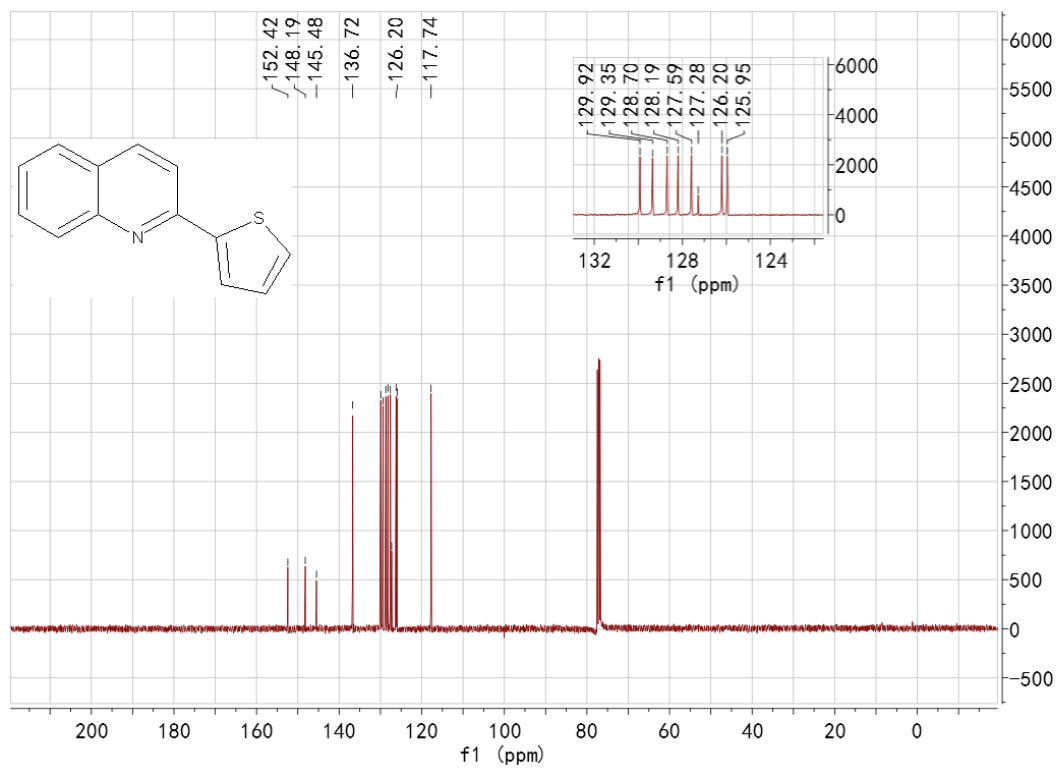
¹³C NMR of compound **3x**



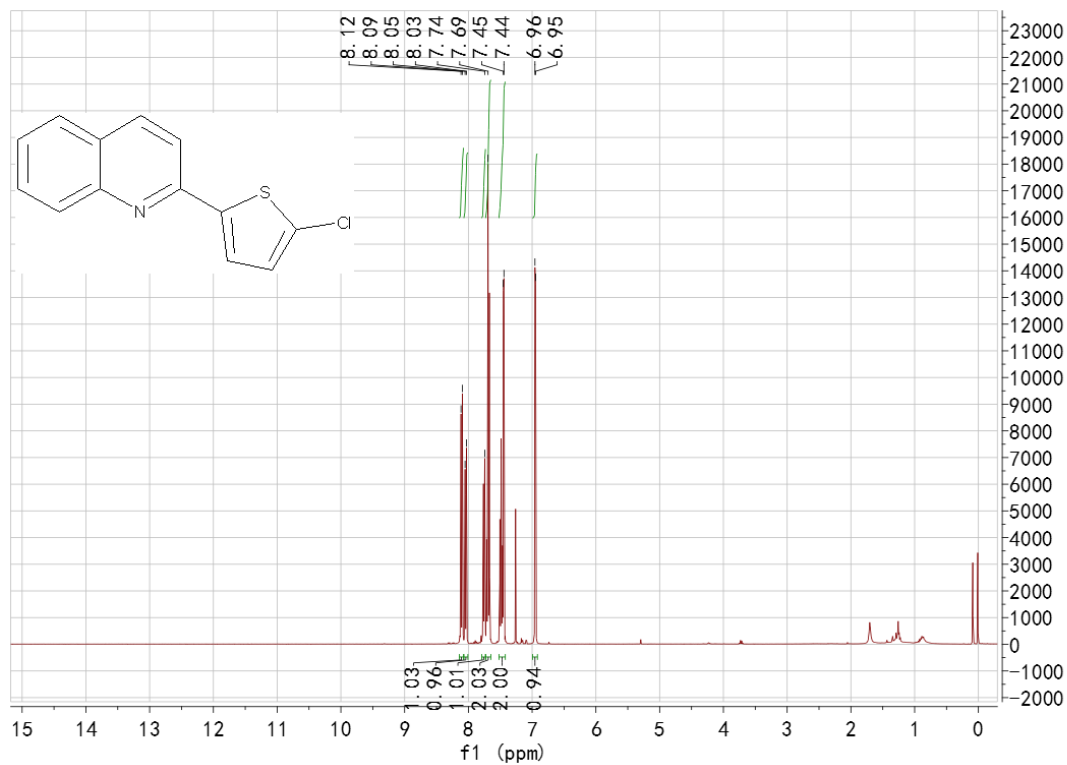
¹H NMR of compound **3y**



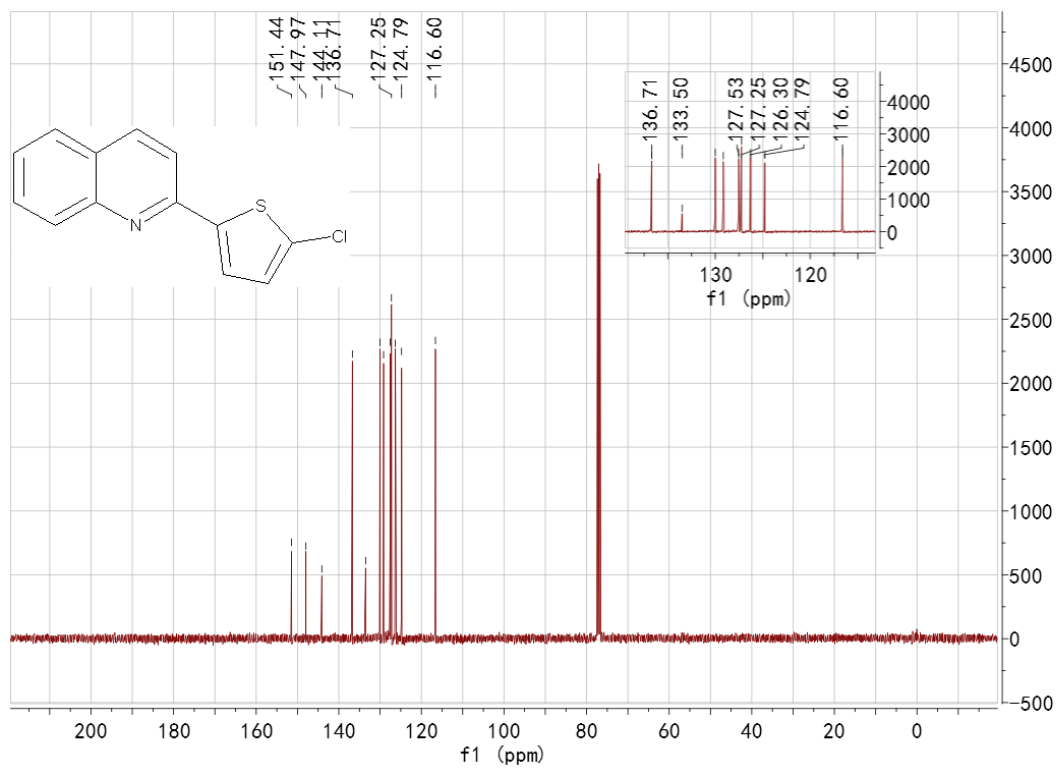
¹³C NMR of compound **3y**



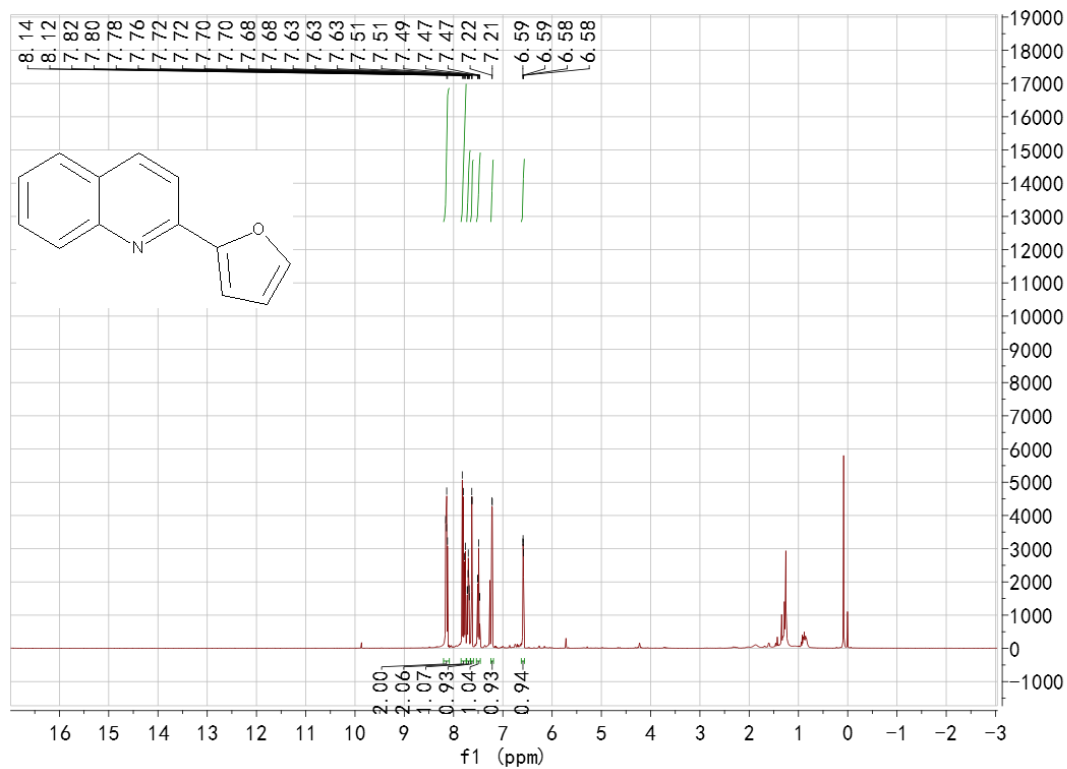
¹H NMR of compound **3z**



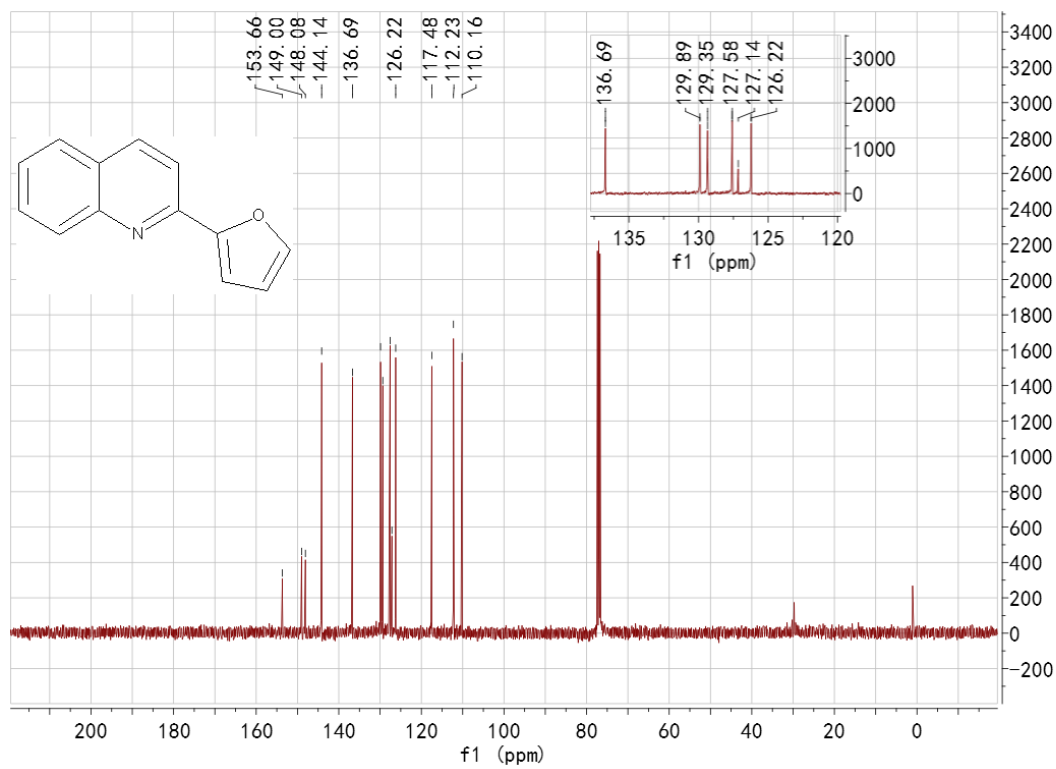
¹³C NMR of compound **3z**



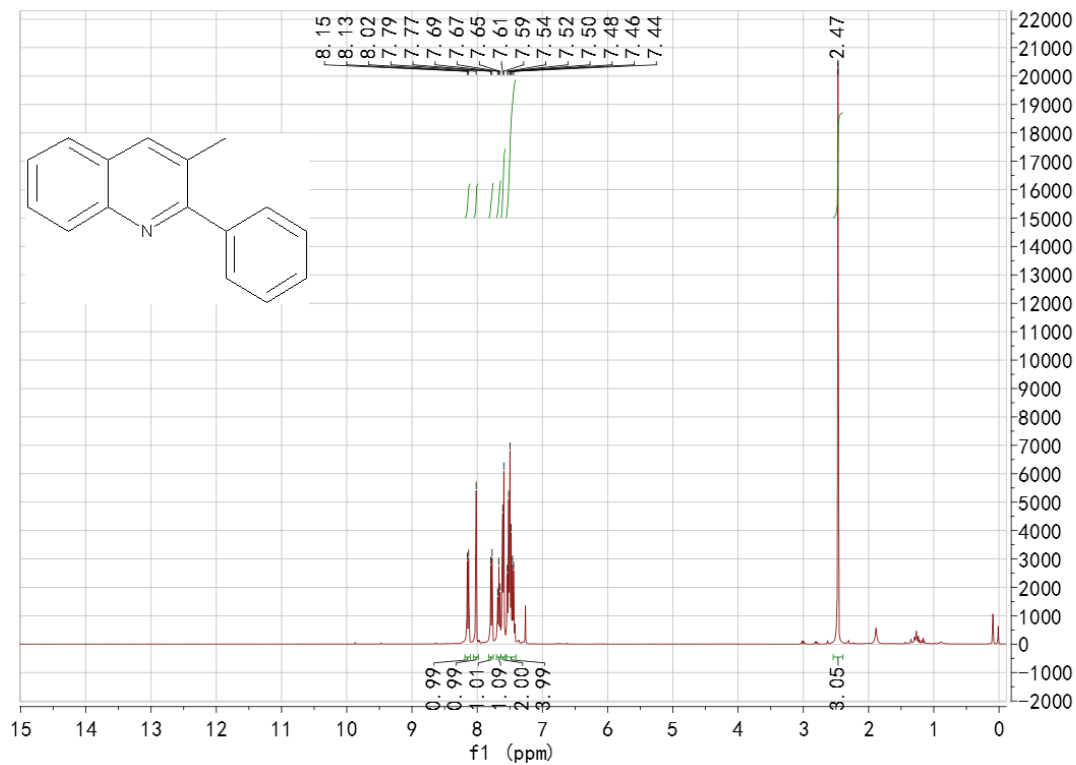
¹H NMR of compound **3aa**



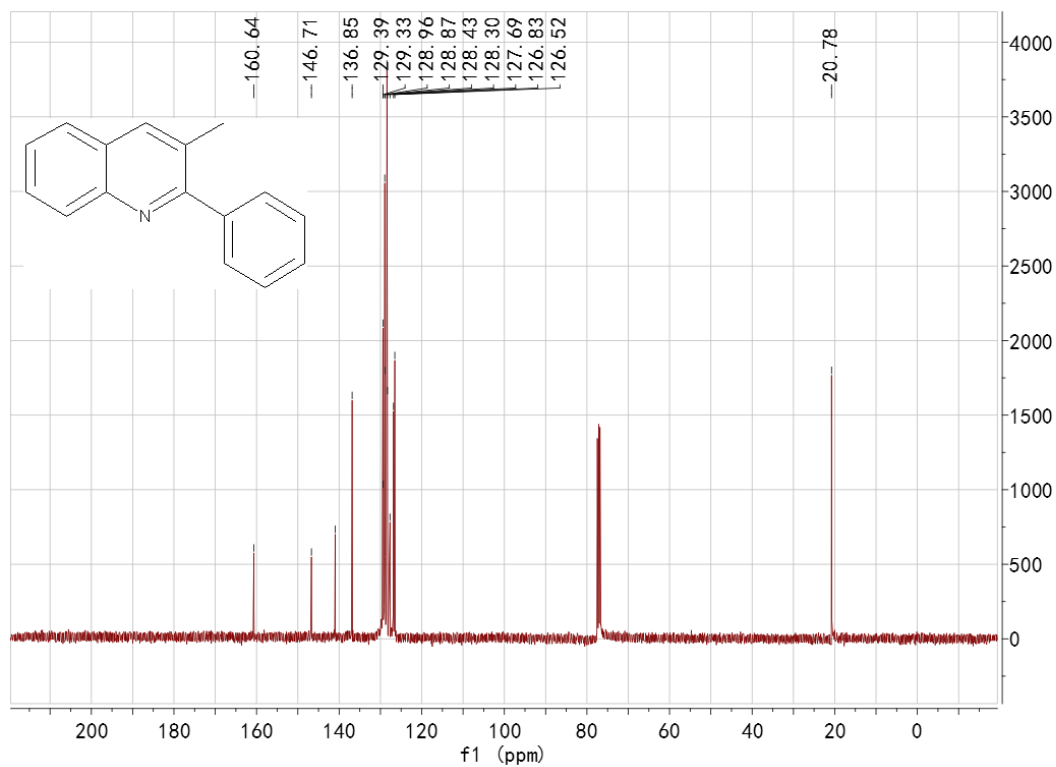
¹³C NMR of compound **3aa**



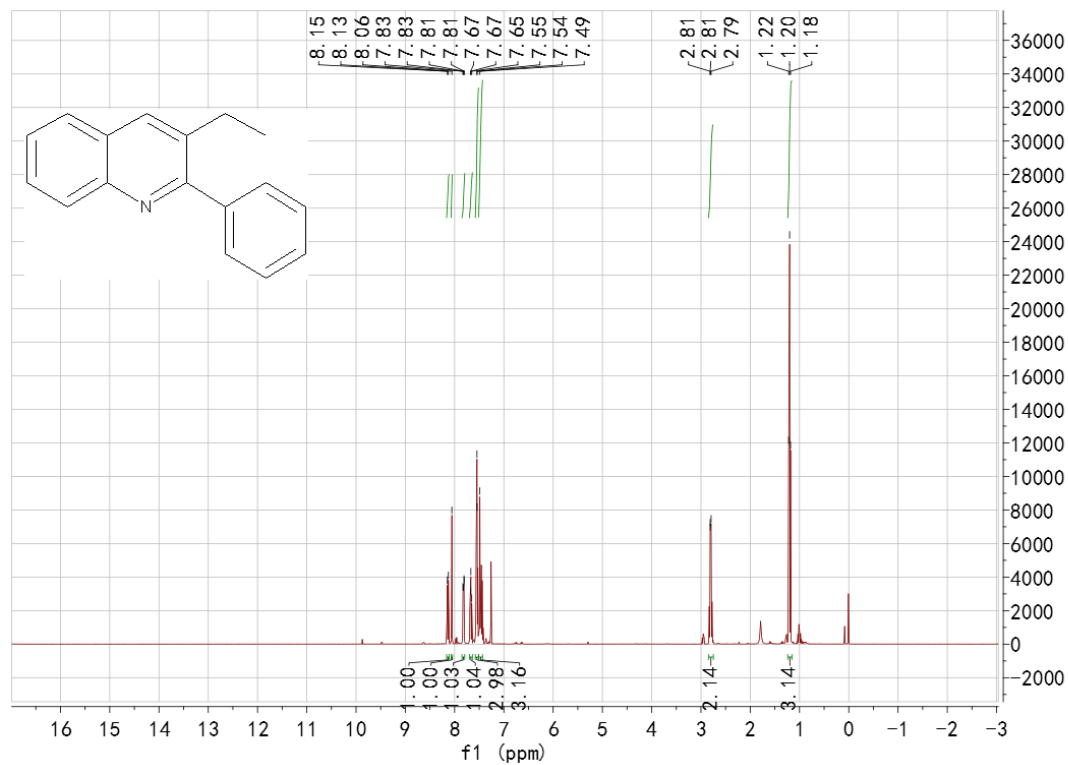
¹H NMR of compound **4a**



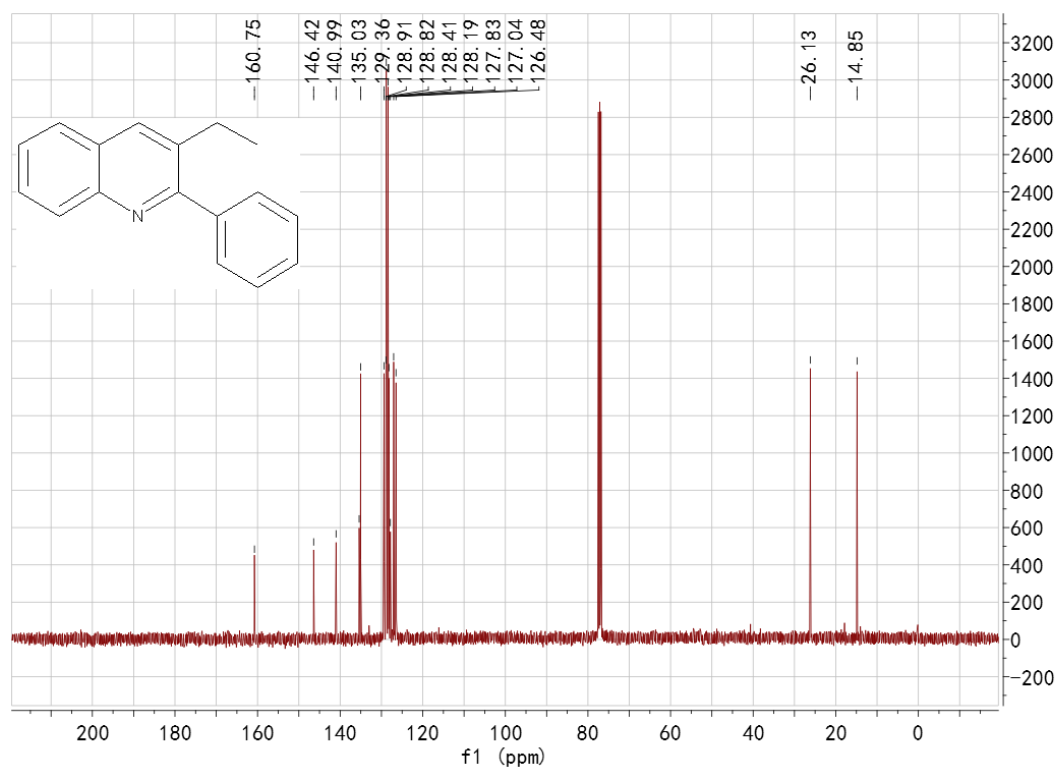
¹³C NMR of compound **4a**



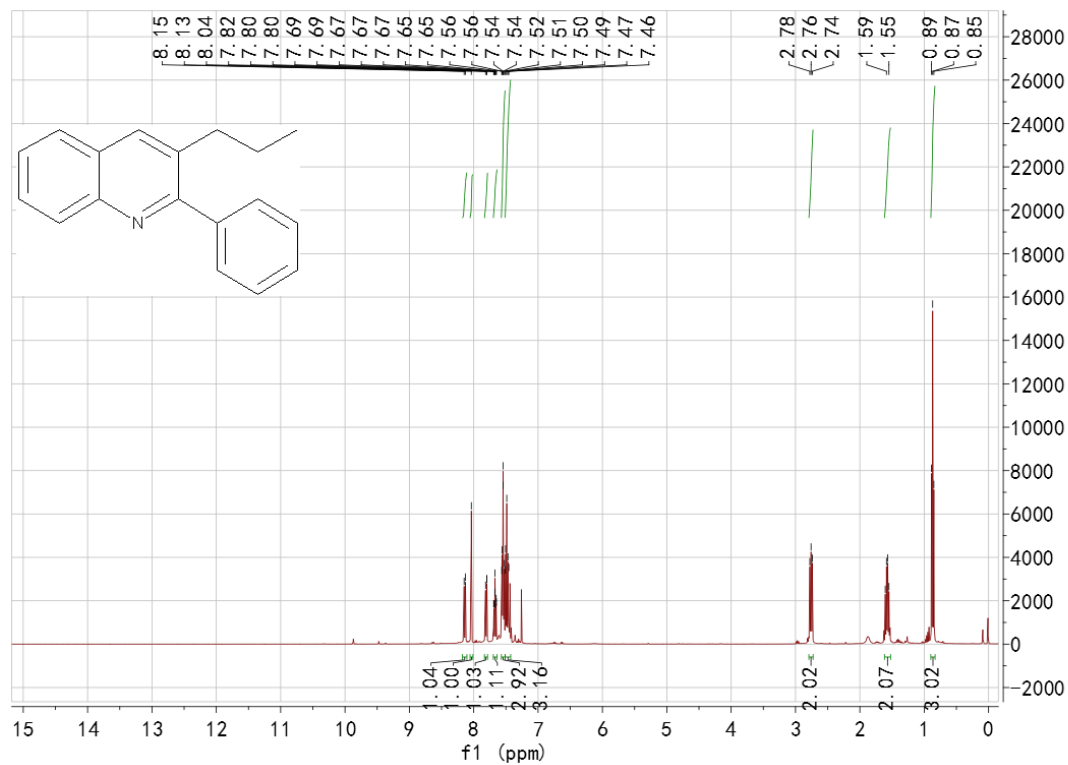
¹H NMR of compound **4b**



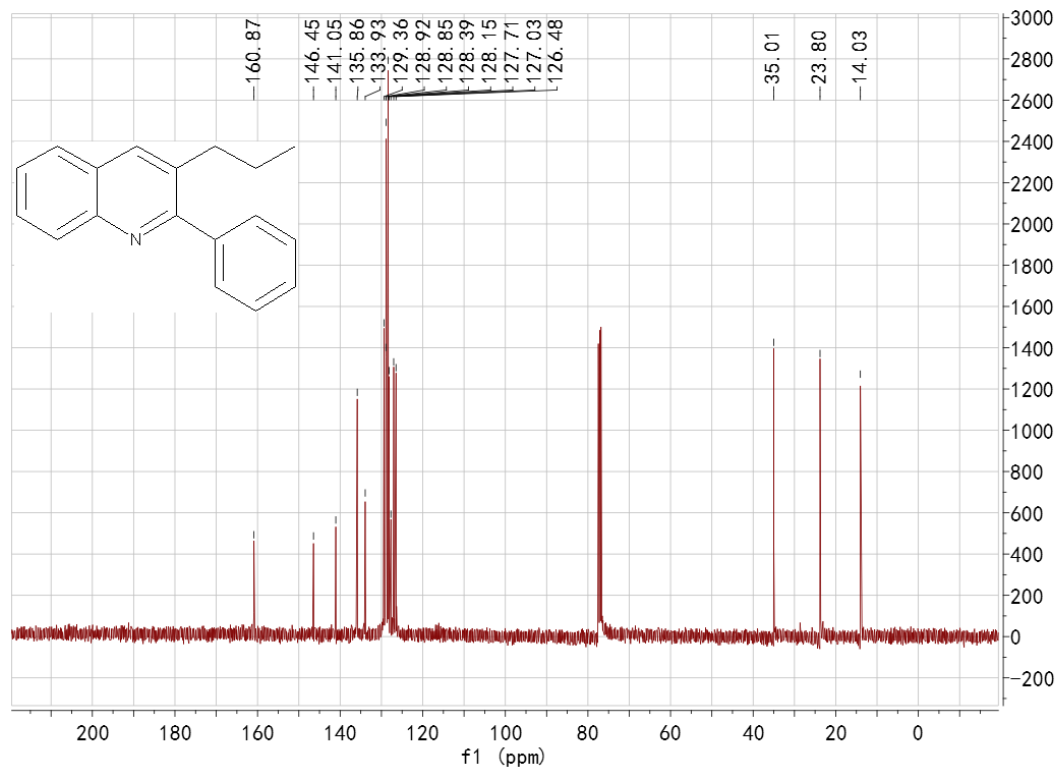
¹³C NMR of compound **4b**



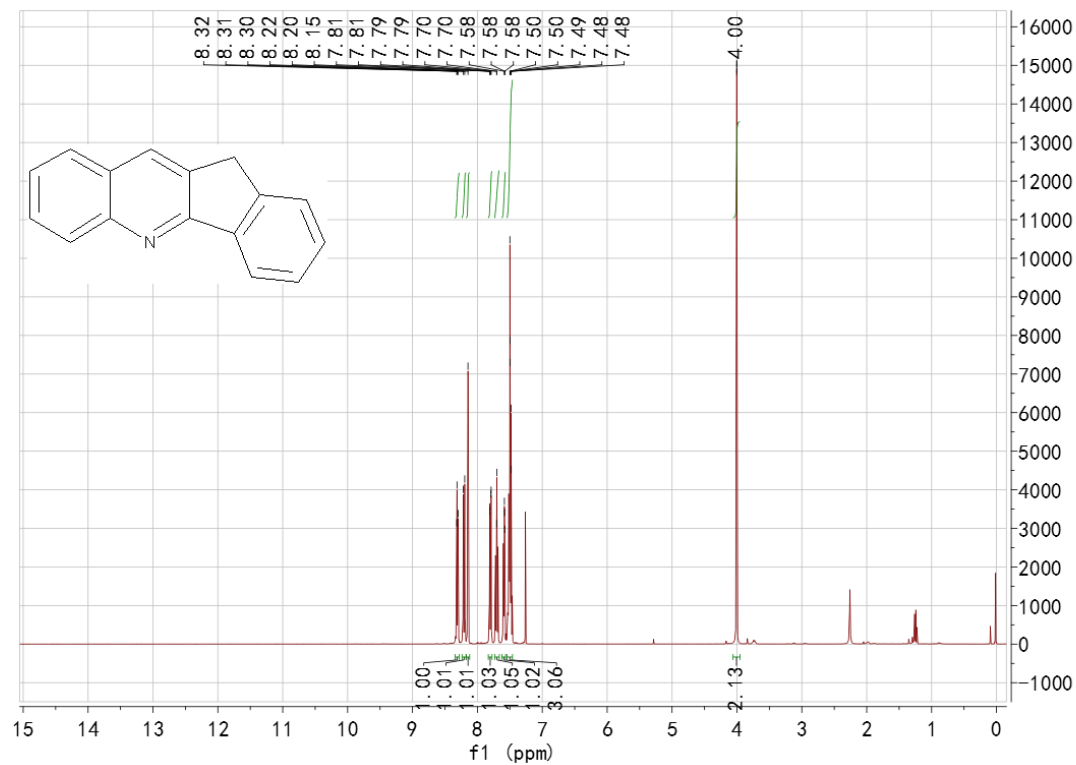
¹H NMR of compound **4c**



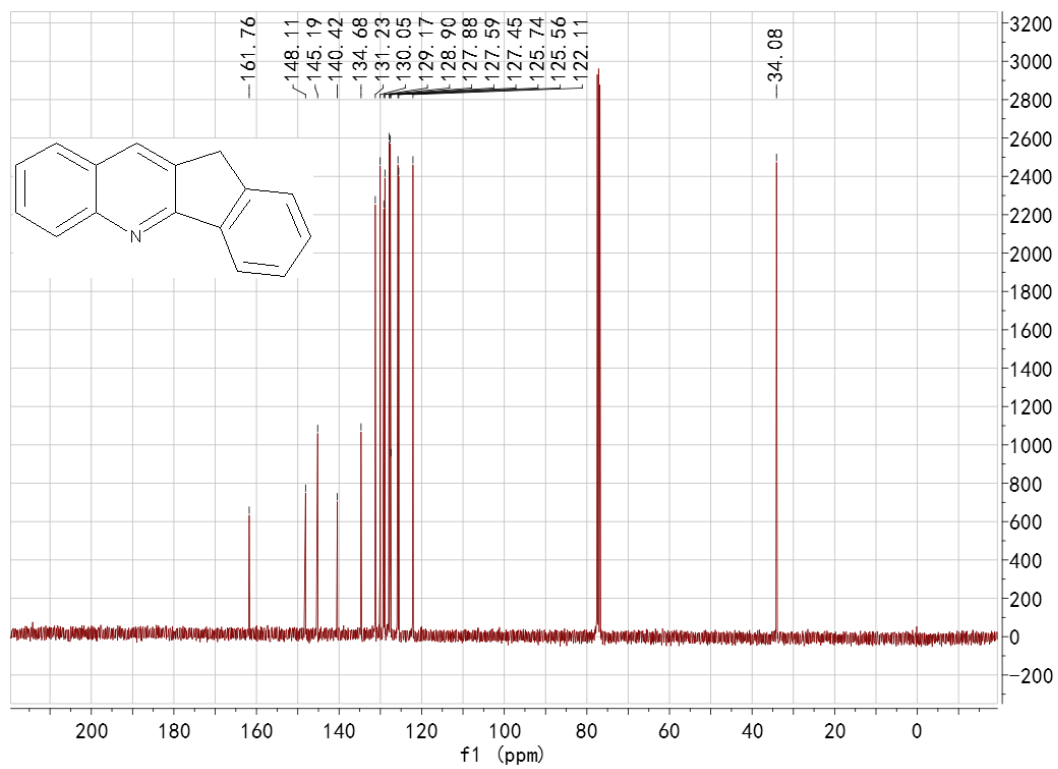
¹³C NMR of compound **4c**



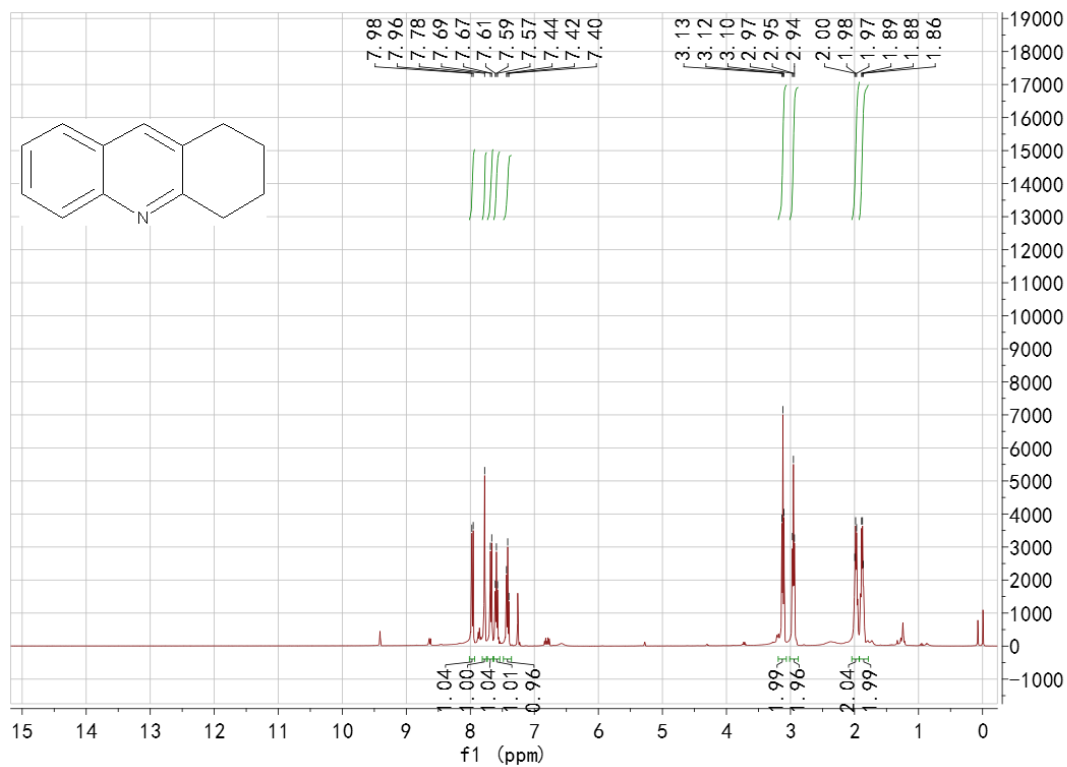
¹H NMR of compound **4d**



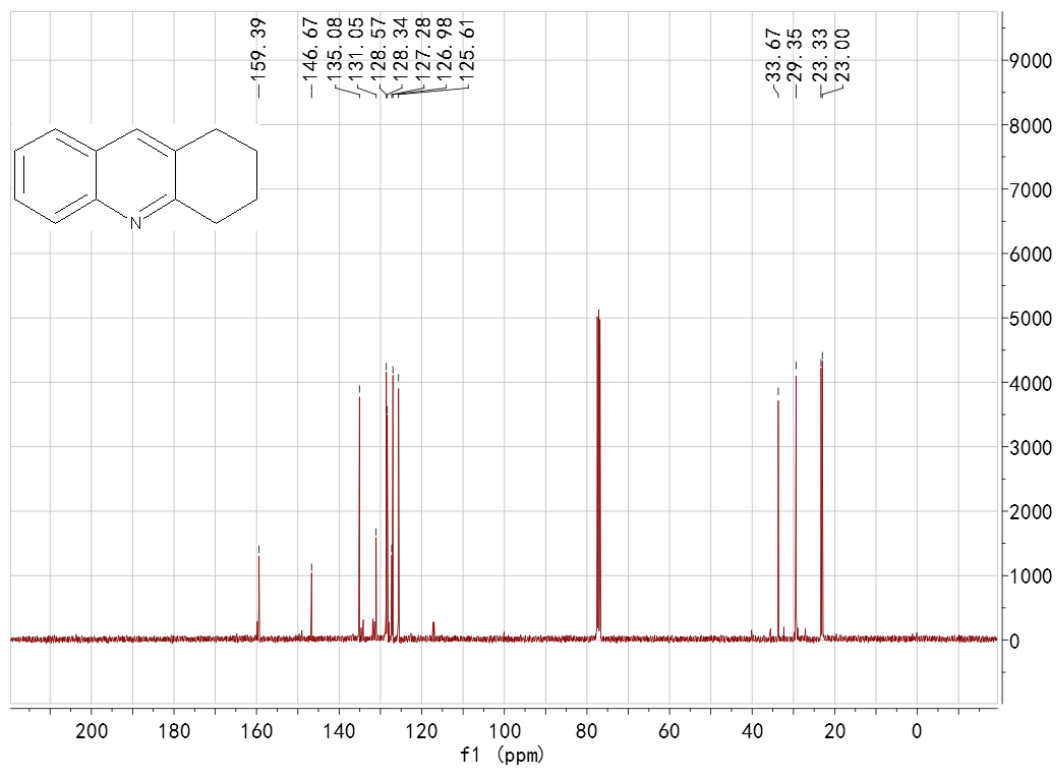
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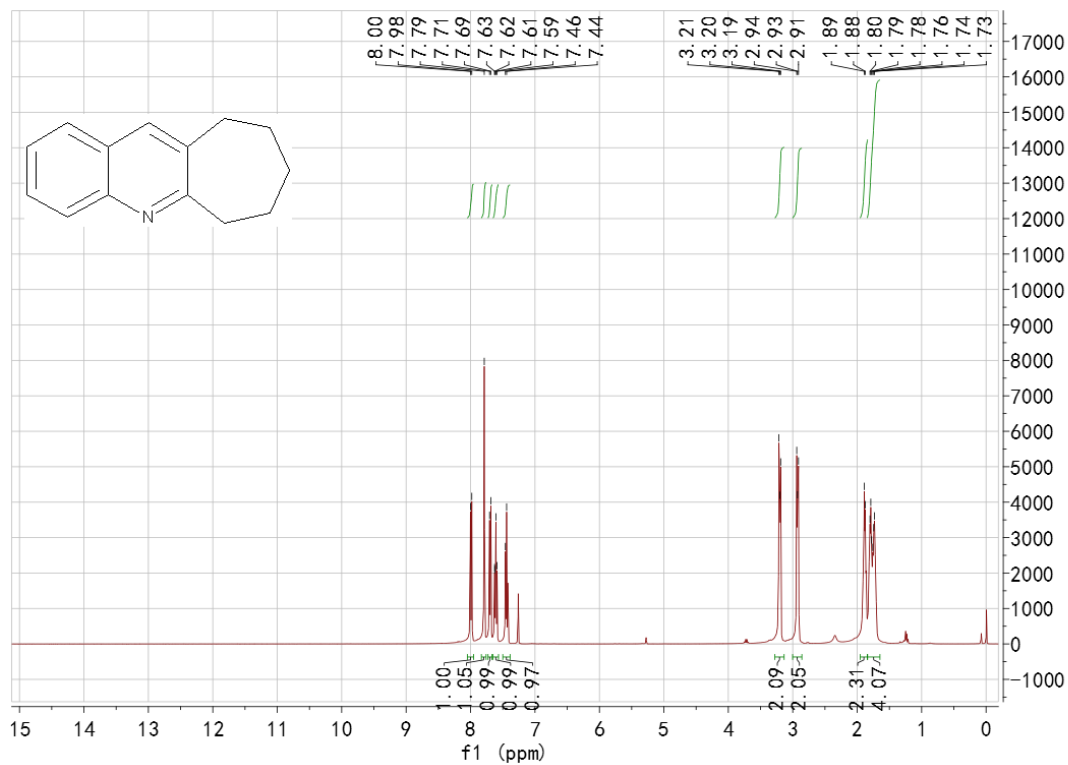
¹H NMR of compound **4e**



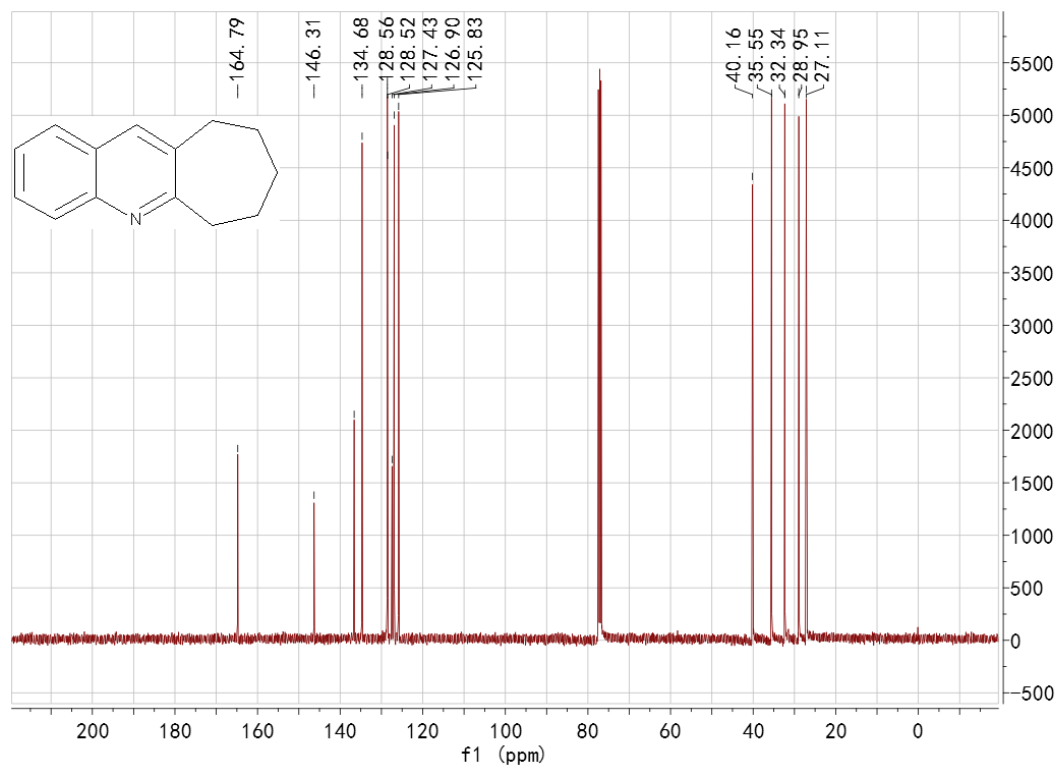
¹³C NMR of compound **4e**



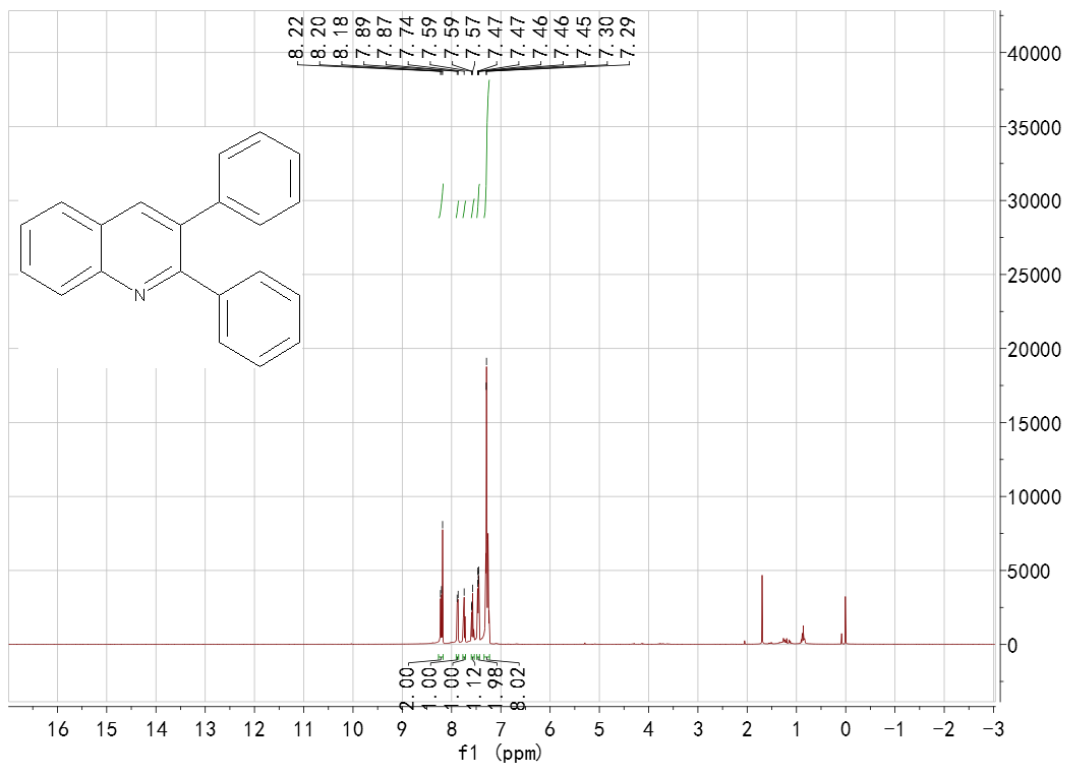
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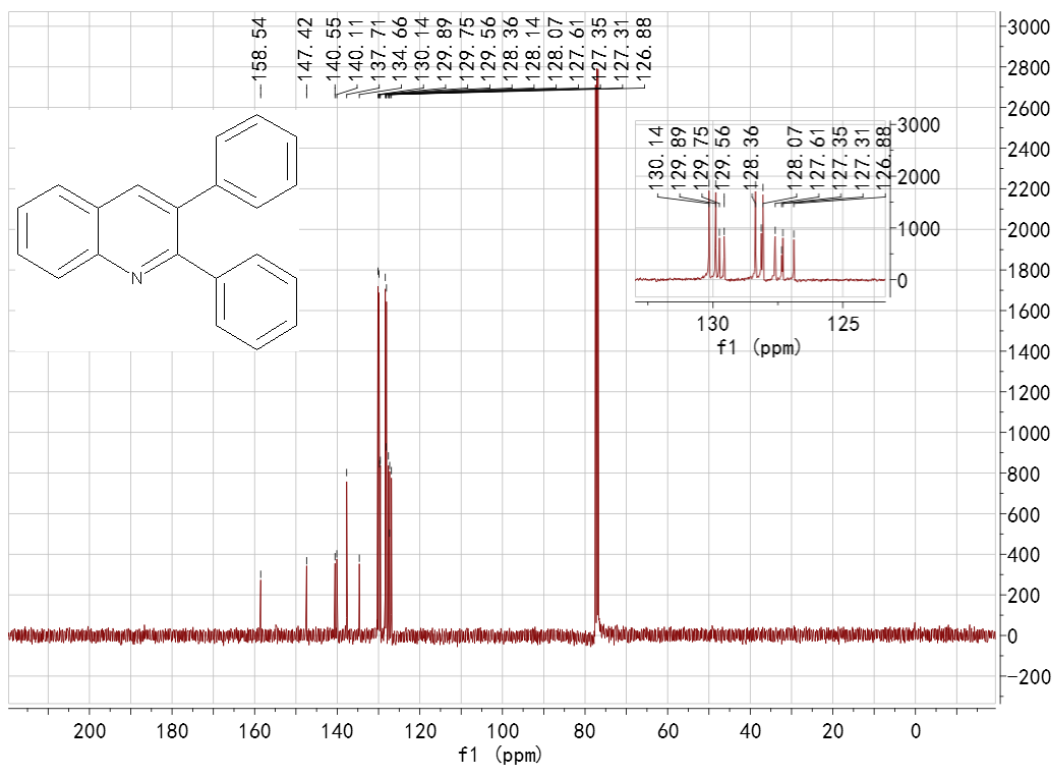
¹³C NMR of compound **4f**



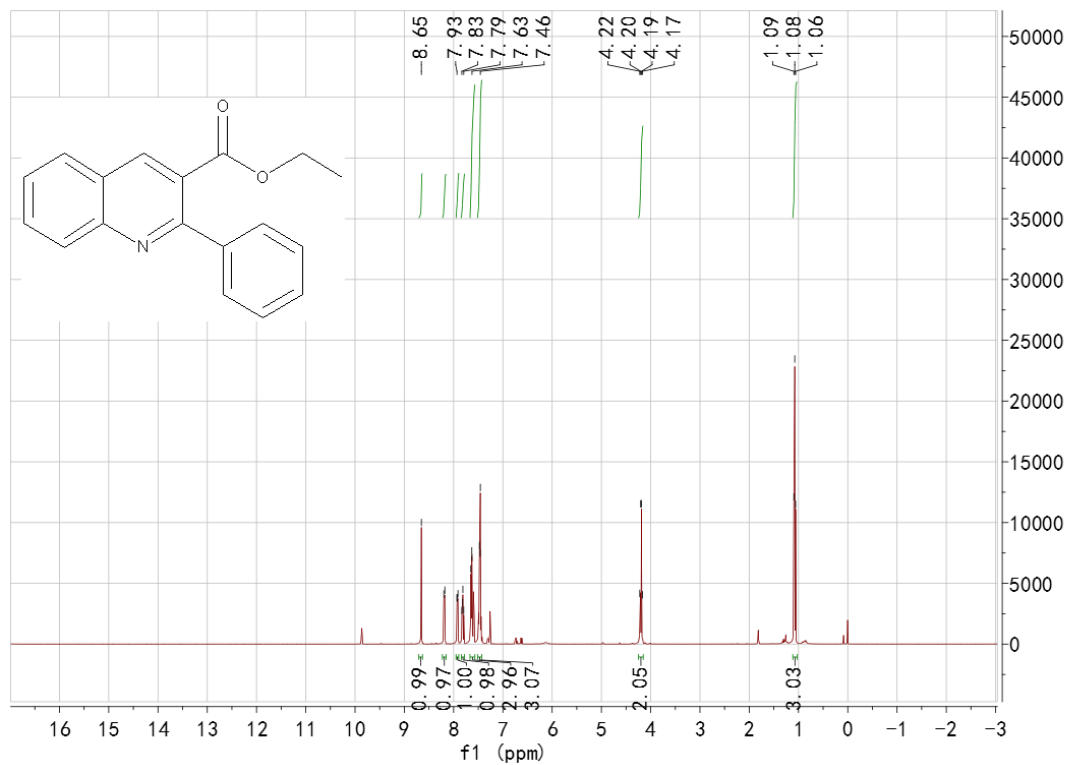
¹H NMR of compound **4g**



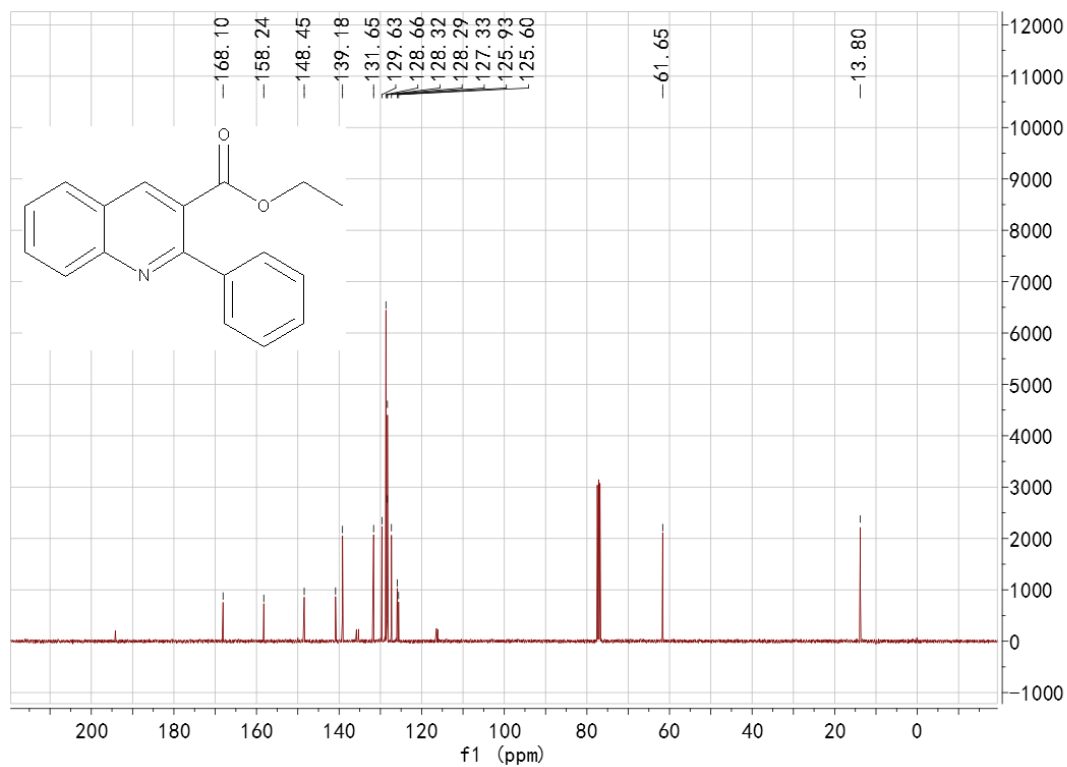
¹³C NMR of compound **4g**



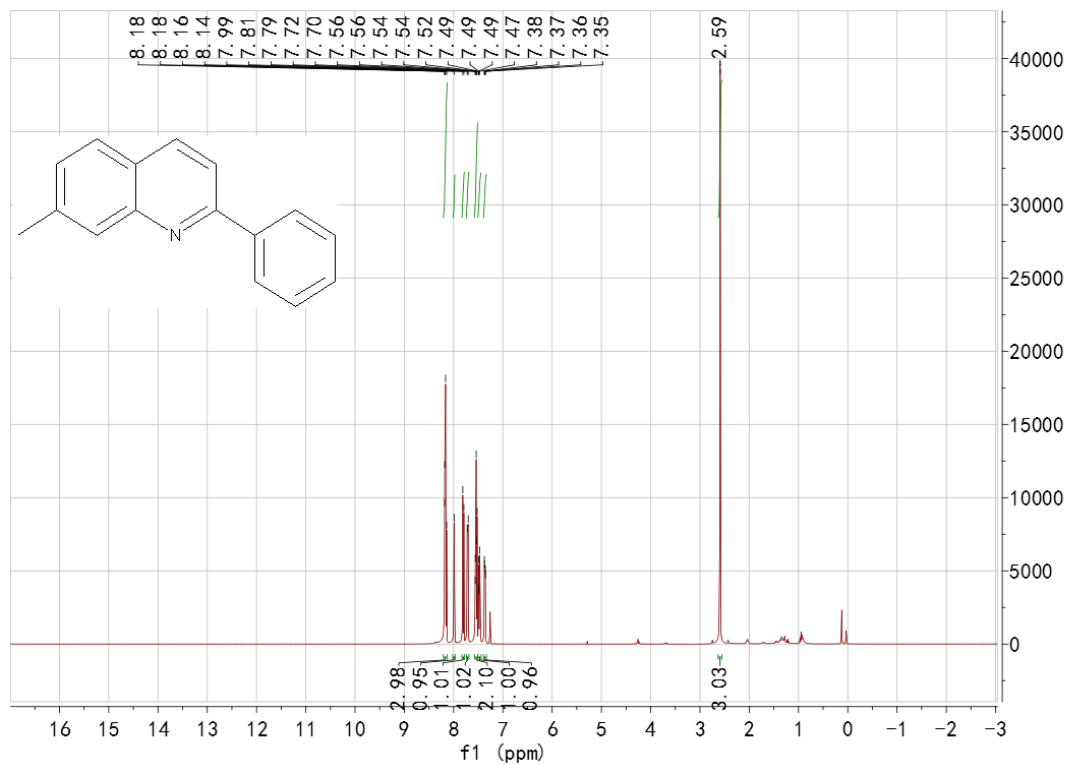
¹H NMR of compound **4h**



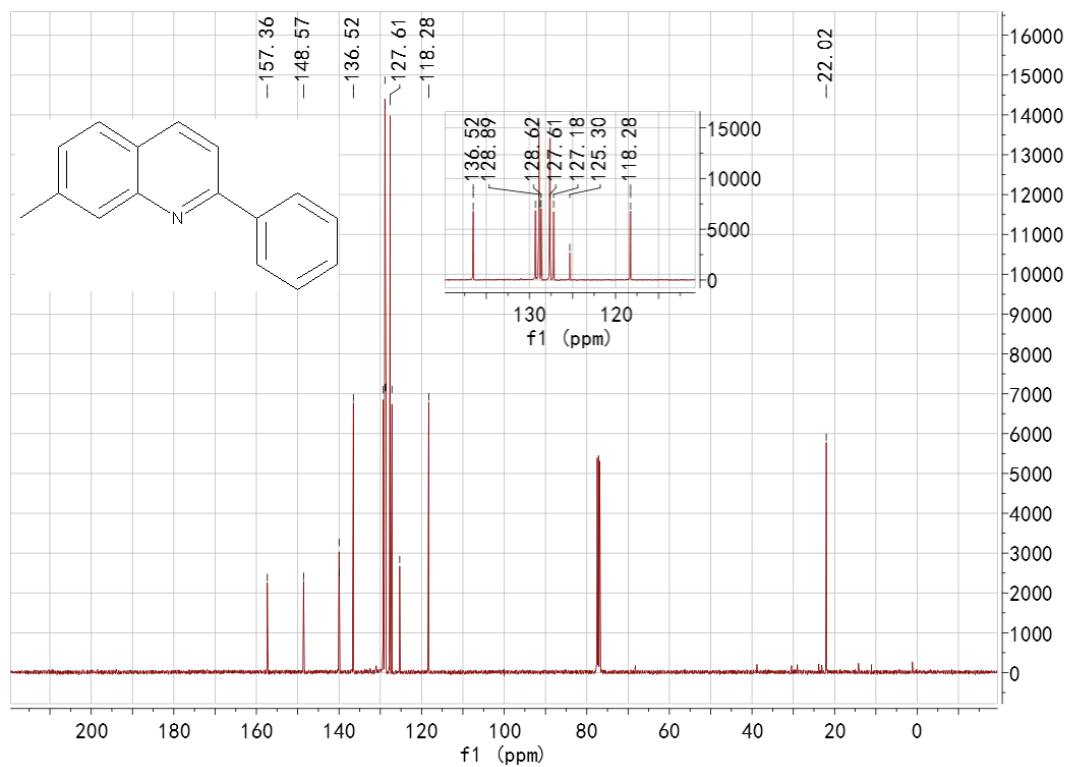
¹³C NMR of compound **4h**



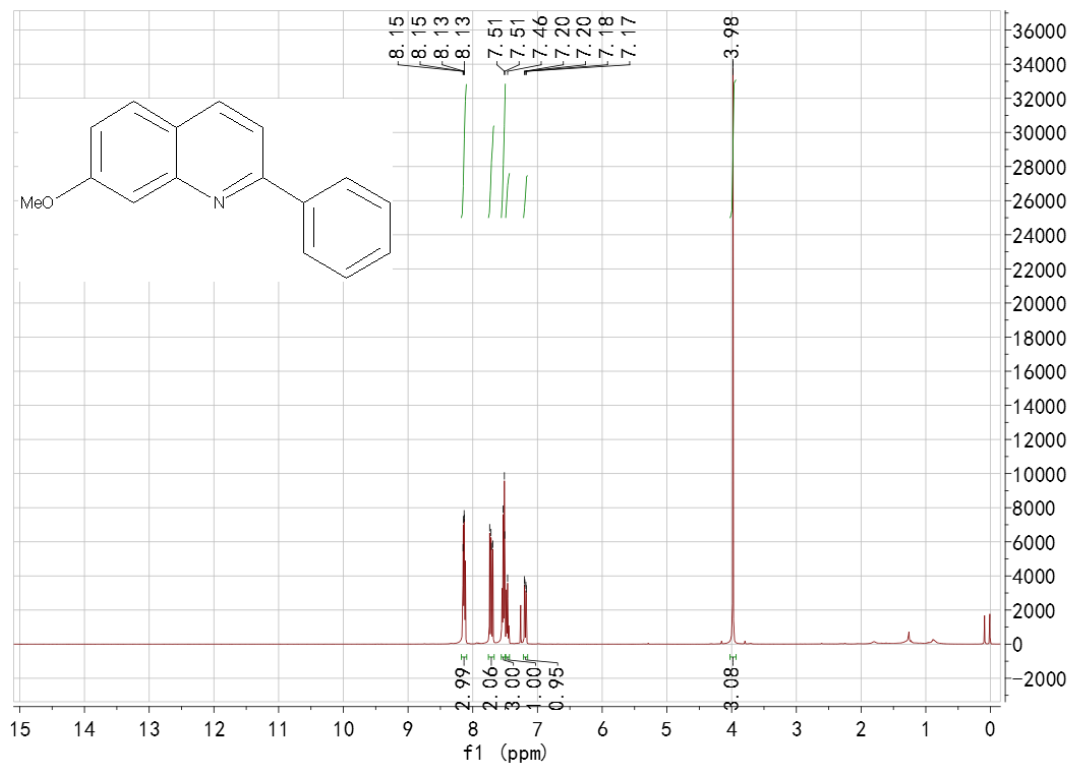
¹H NMR of compound **4i**



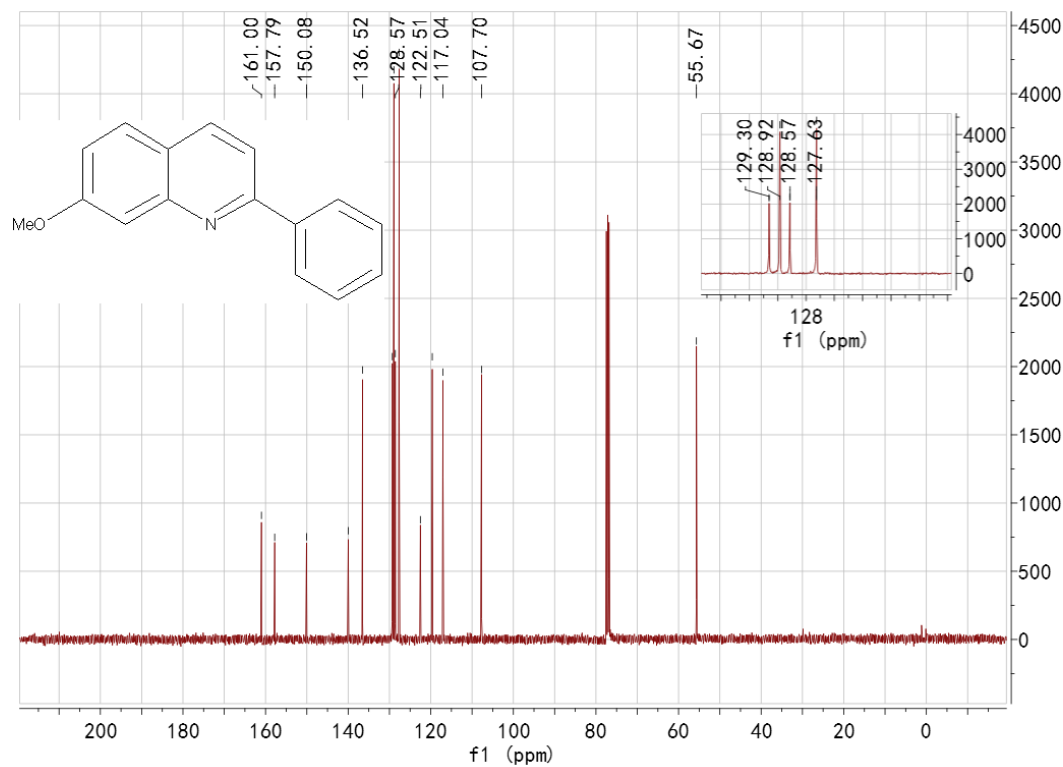
¹³C NMR of compound **4i**



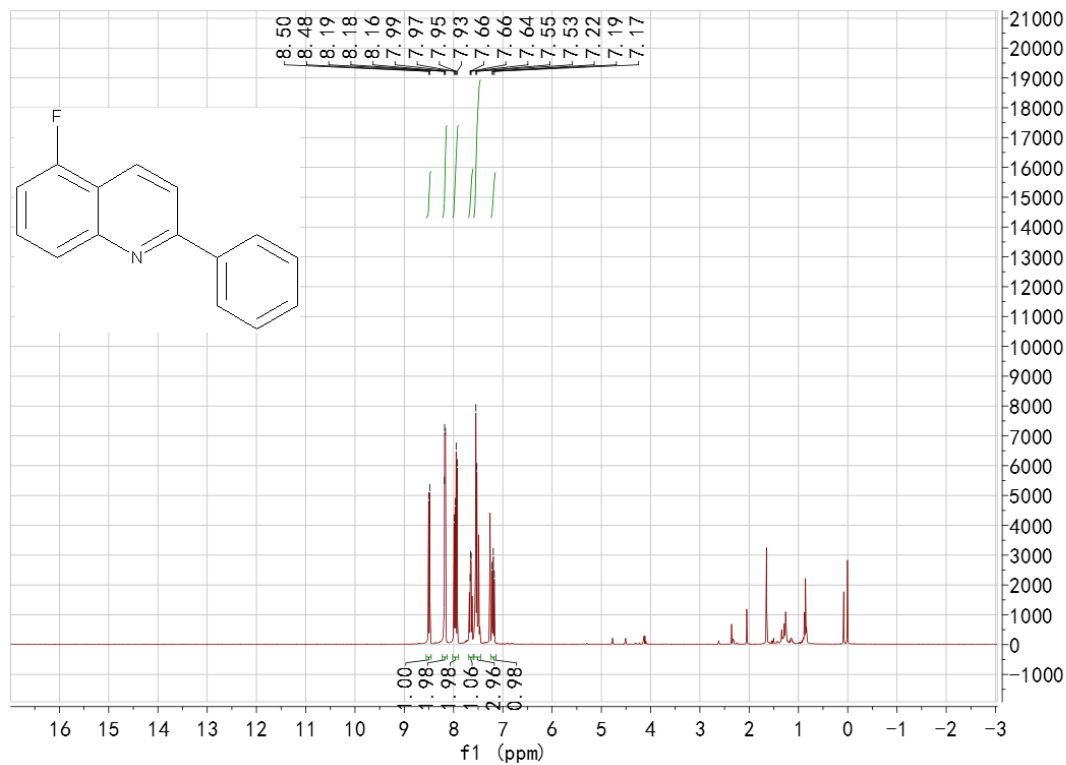
¹H NMR of compound 4j



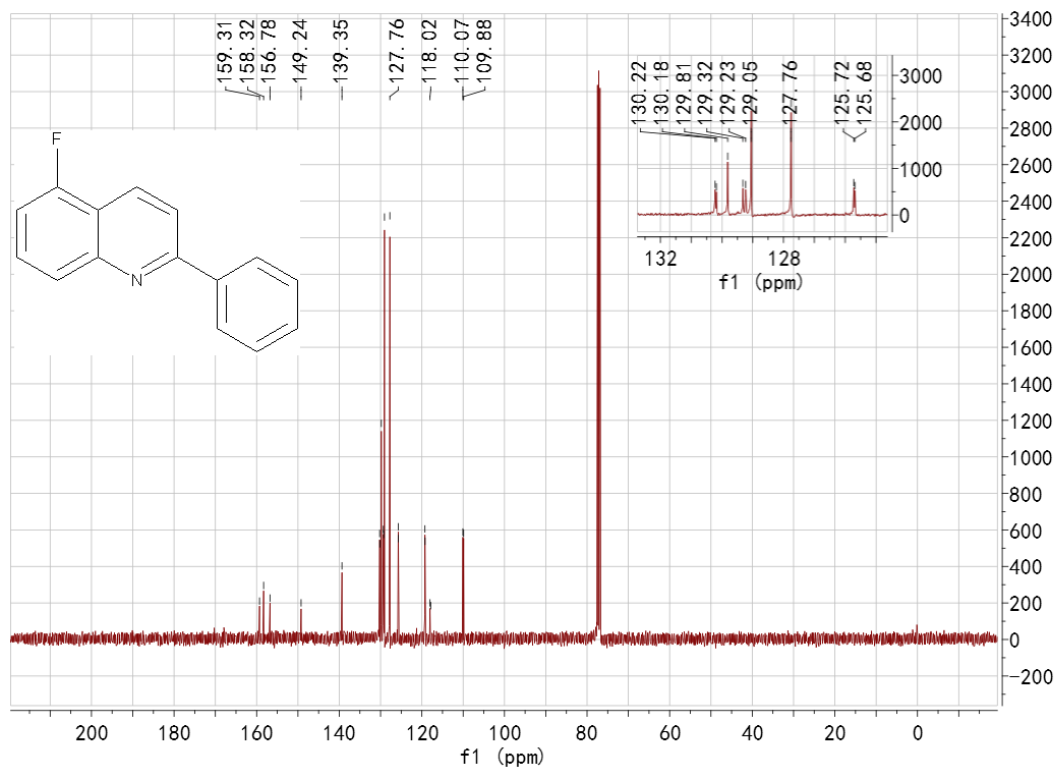
¹³C NMR of compound 4j



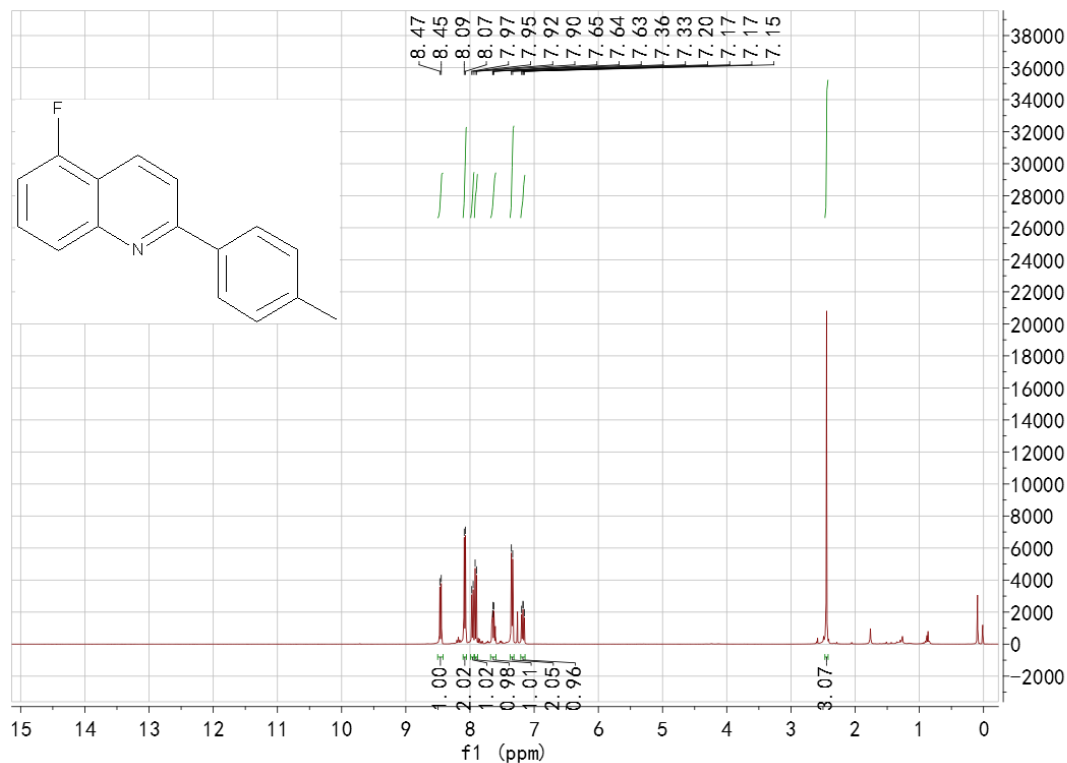
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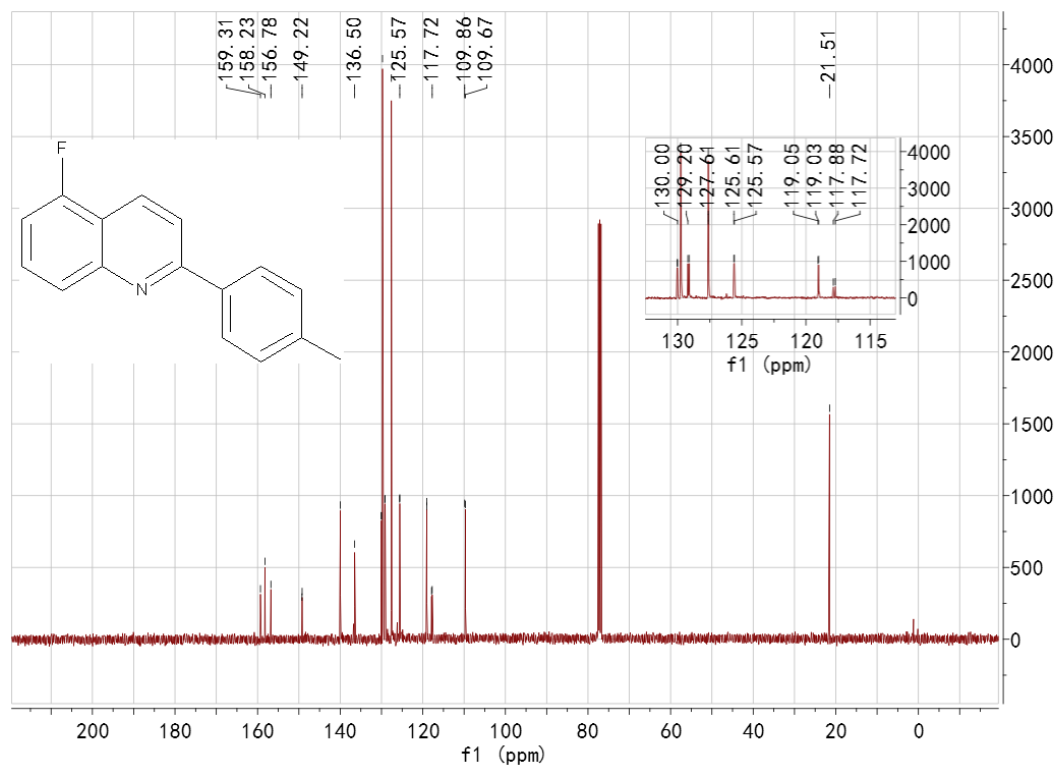
¹³C NMR of compound **4k**



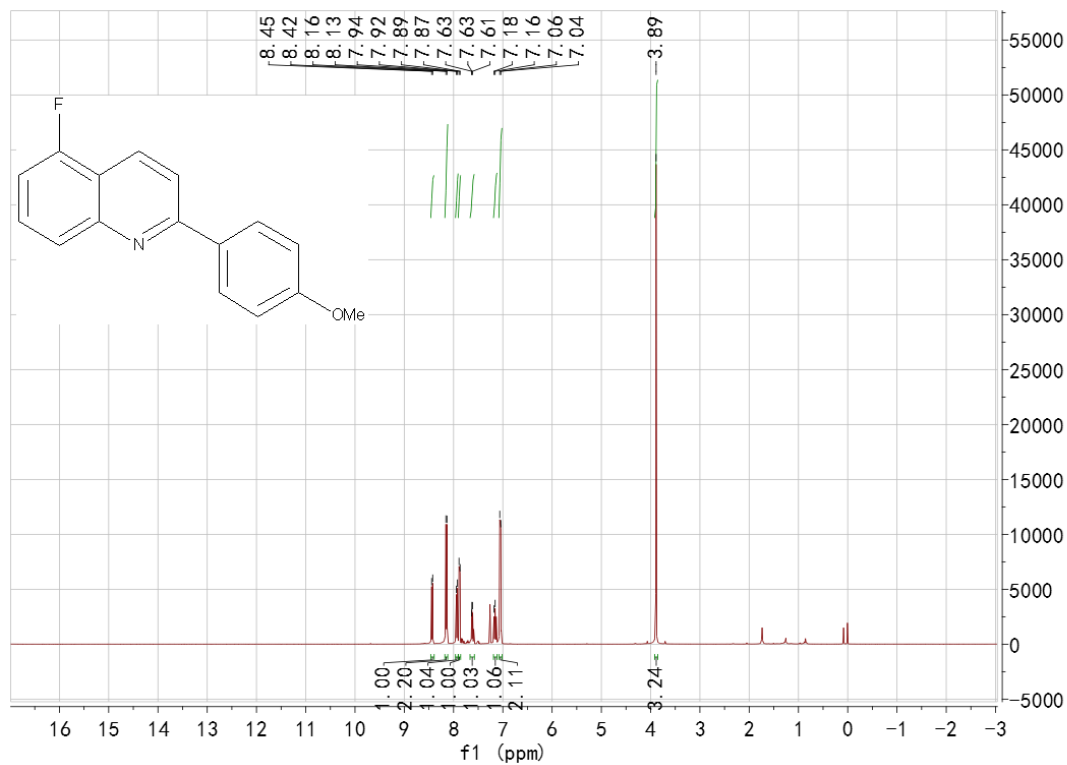
¹H NMR of compound **4I**



¹³C NMR of compound **4I**



¹H NMR of compound **4m**



¹³C NMR of compound **4m**

