# Supporting Information

## A Recyclable and Water Soluble Copper(I)-Catalyst: One-pot Synthesis of 1,4-Disubstituted 1,2,3-Triazoles and their Biological Evaluation

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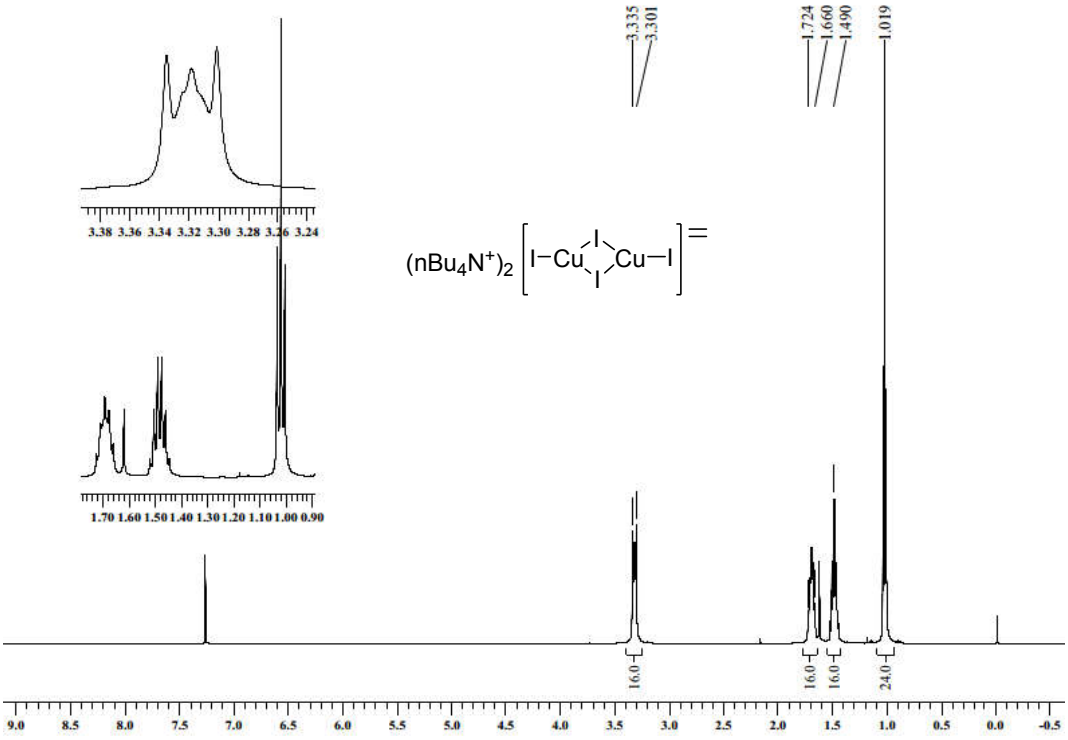
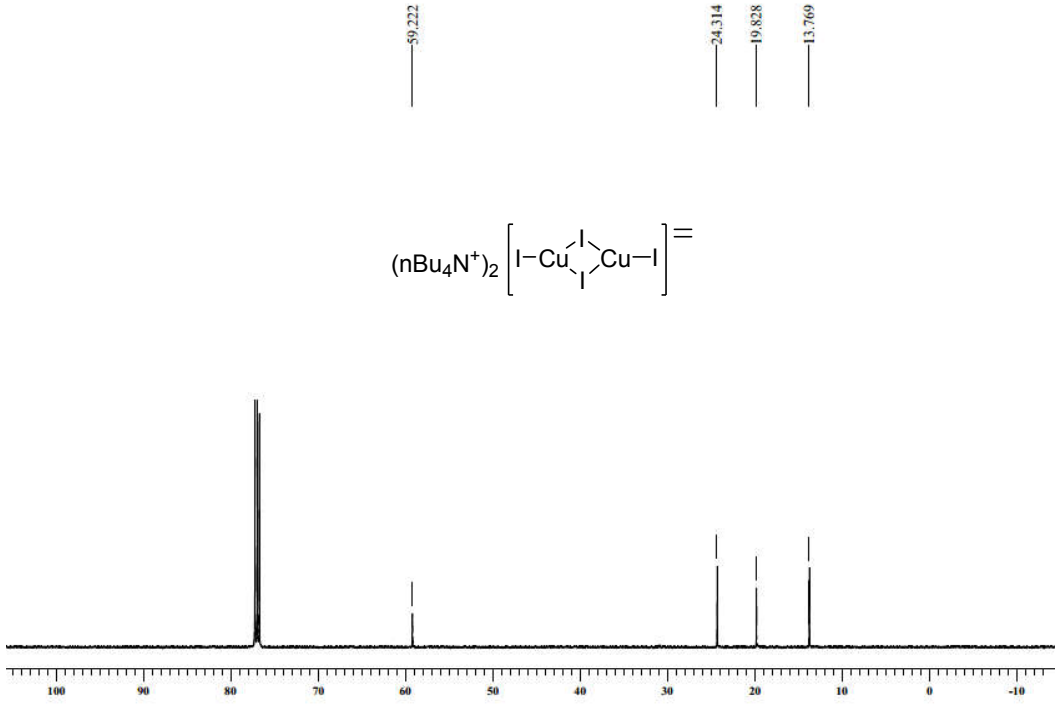



$^{1}$H NMR (500 MHz, $CDCl_3$) spectrum of **$(nBu_4N^+)_2(Cu_2I_4)^=$**

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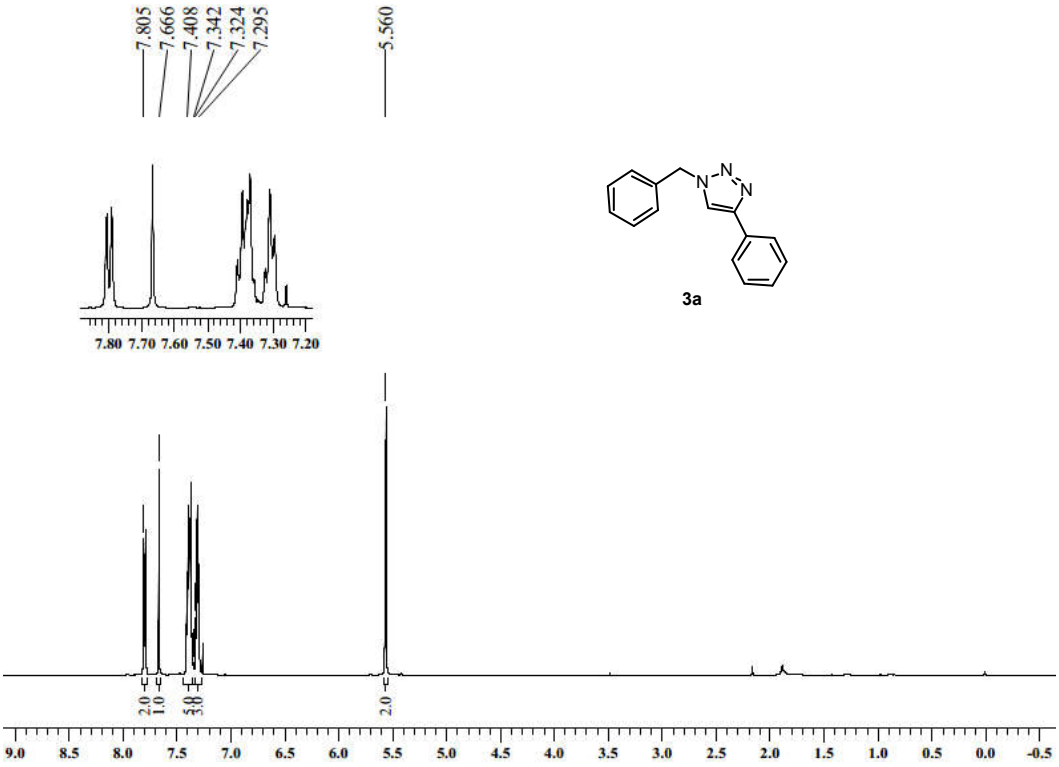
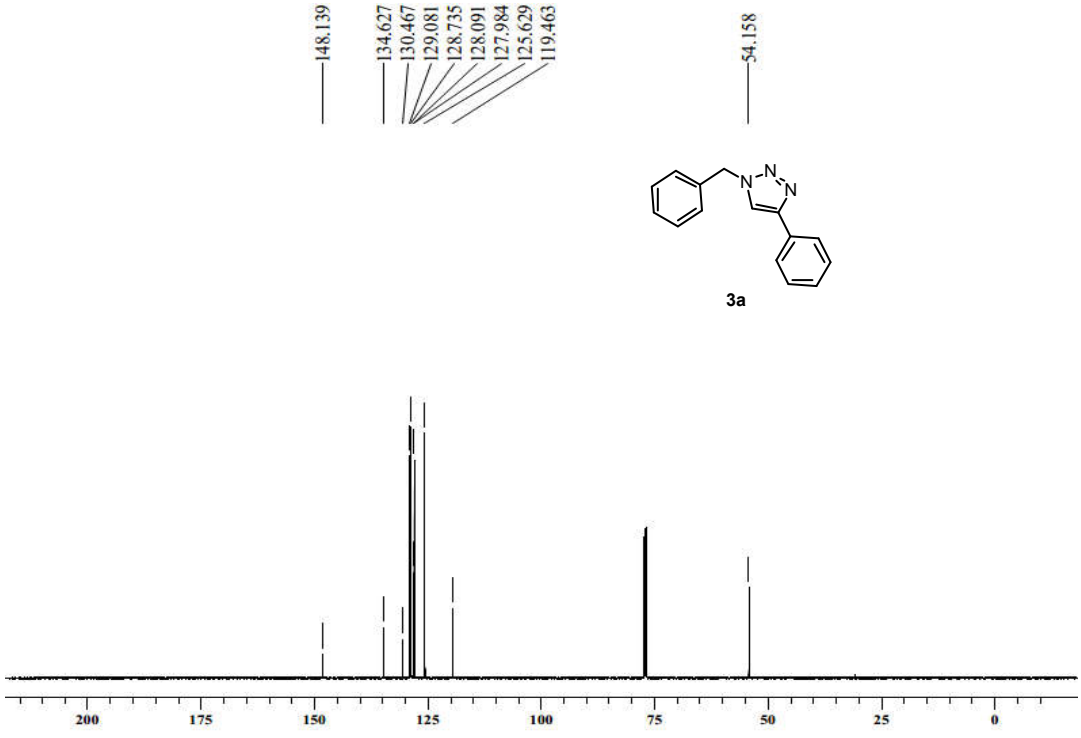
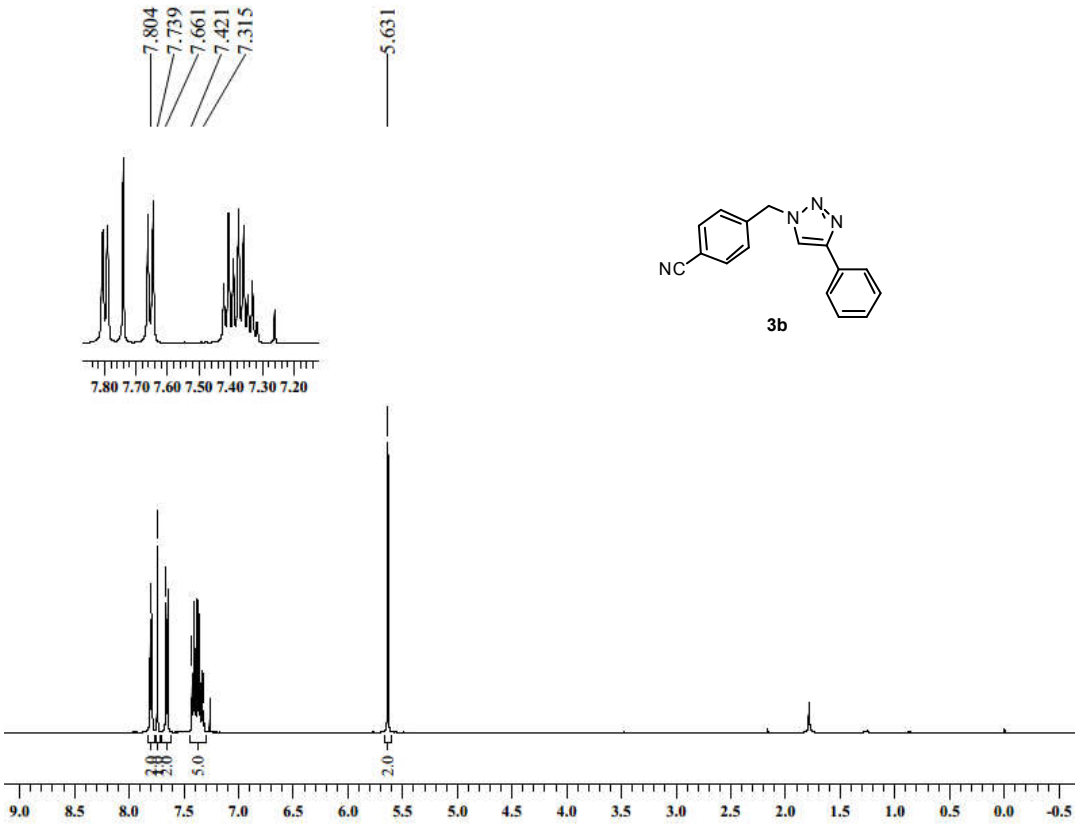


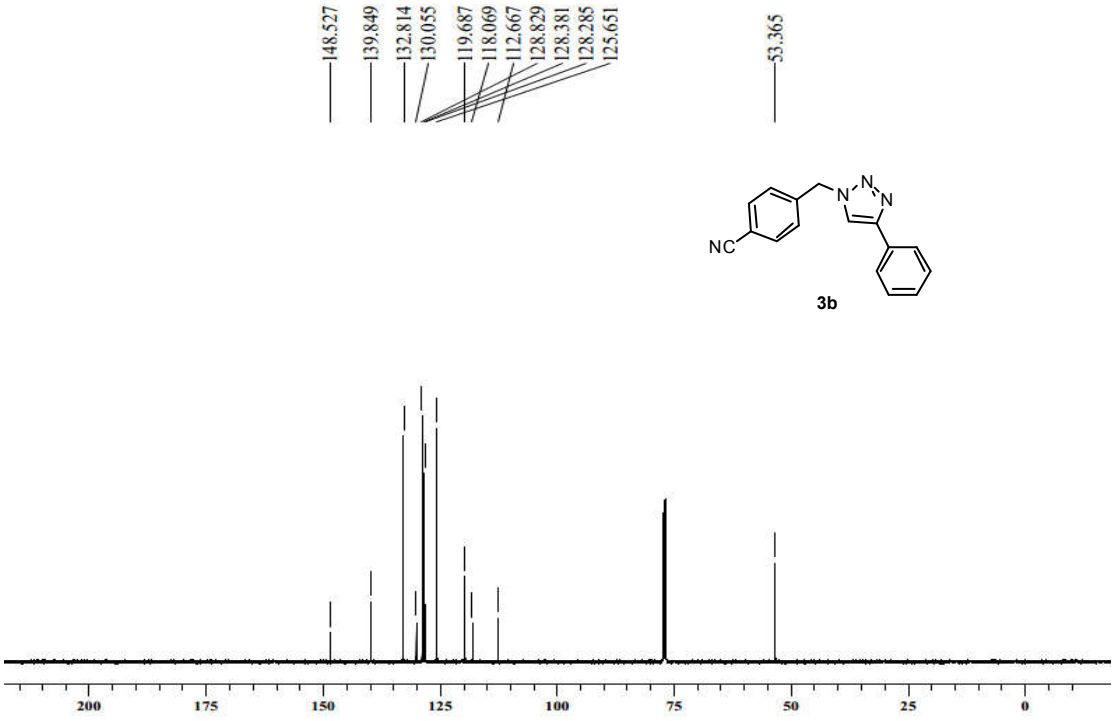

$^{1}$H NMR (500 MHz, $CDCl_3$) spectrum of compound **3a**



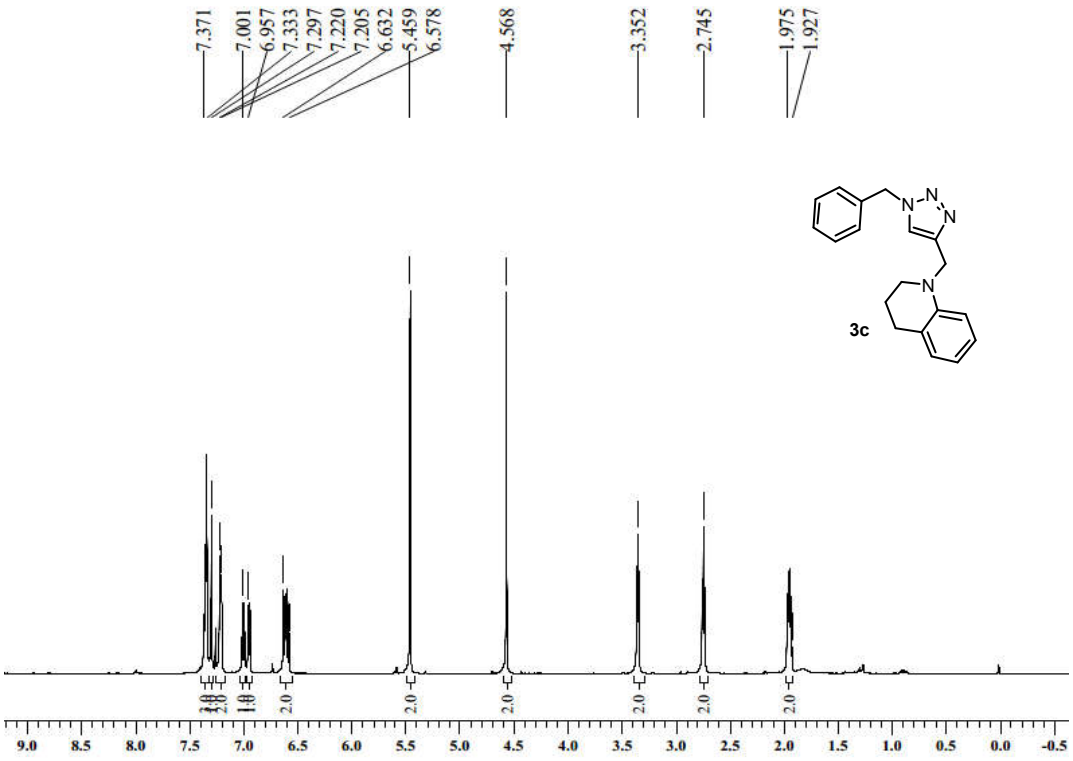

$^{13}$C NMR (125 MHz, $CDCl_3$) spectrum of compound **3a**



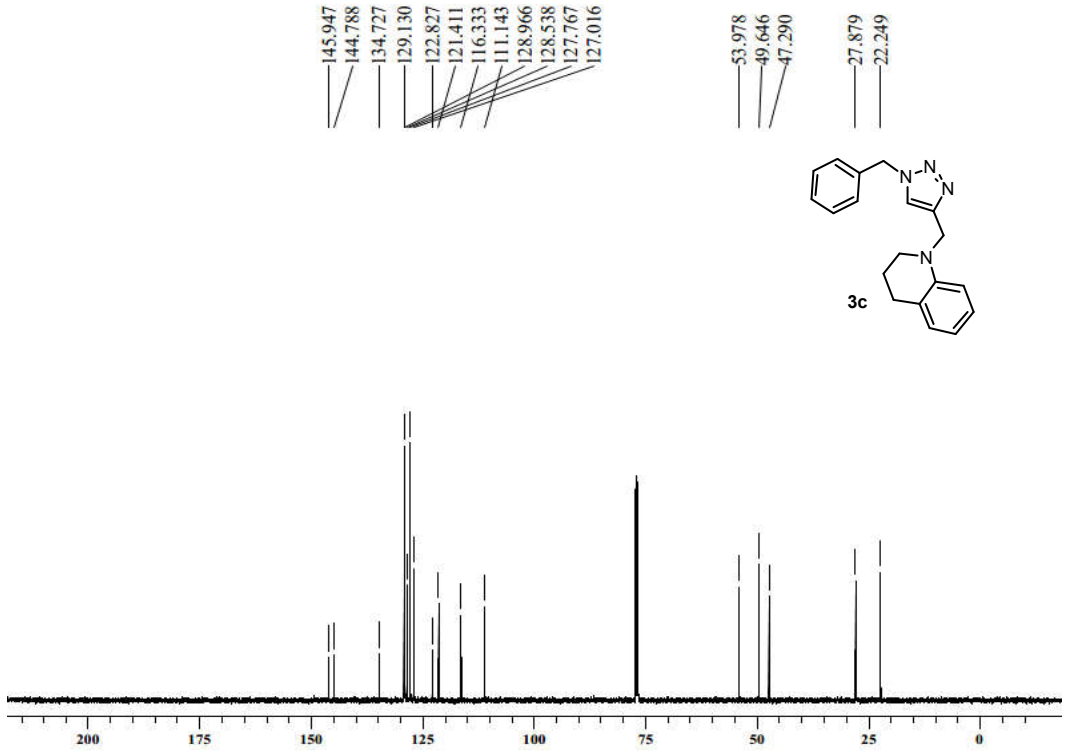

$^{1}$H NMR (500 MHz, $CDCl_3$) spectrum of compound **3b**



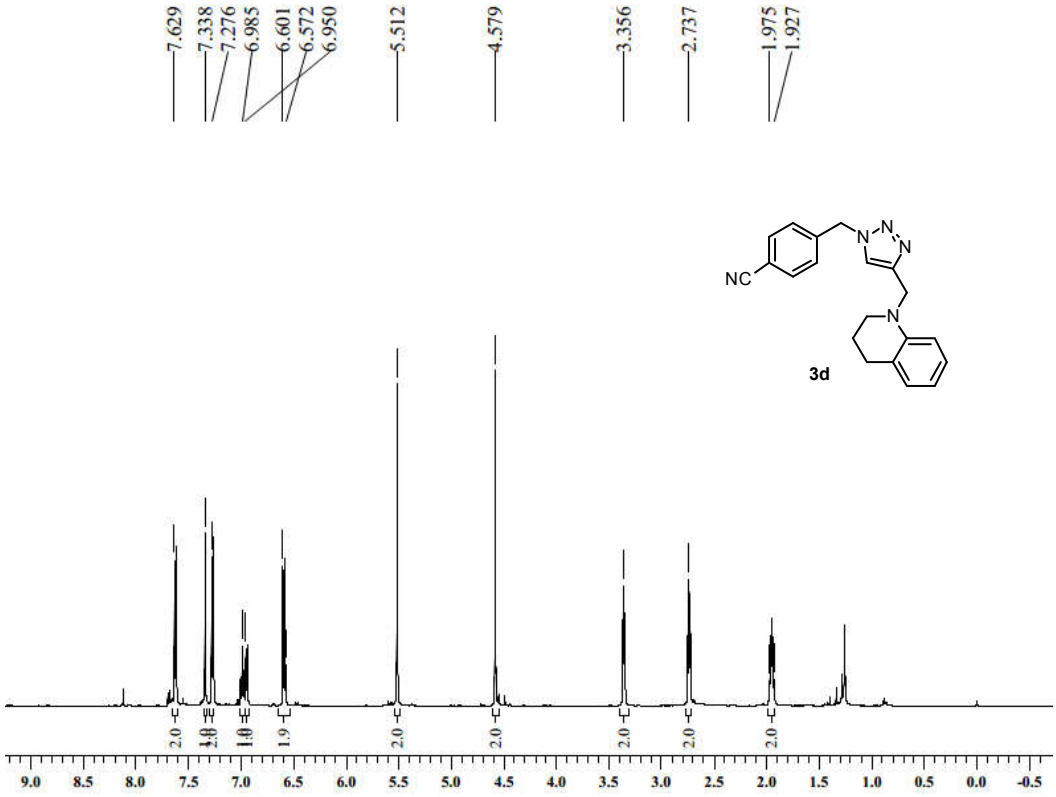

$^{13}$C NMR (125 MHz, $CDCl_3$) spectrum of compound **3b**




$^{1}$H NMR (500 MHz, $CDCl_3$) spectrum of compound **3c**




$^{13}$C NMR (125 MHz, $CDCl_3$) spectrum of compound **3c**

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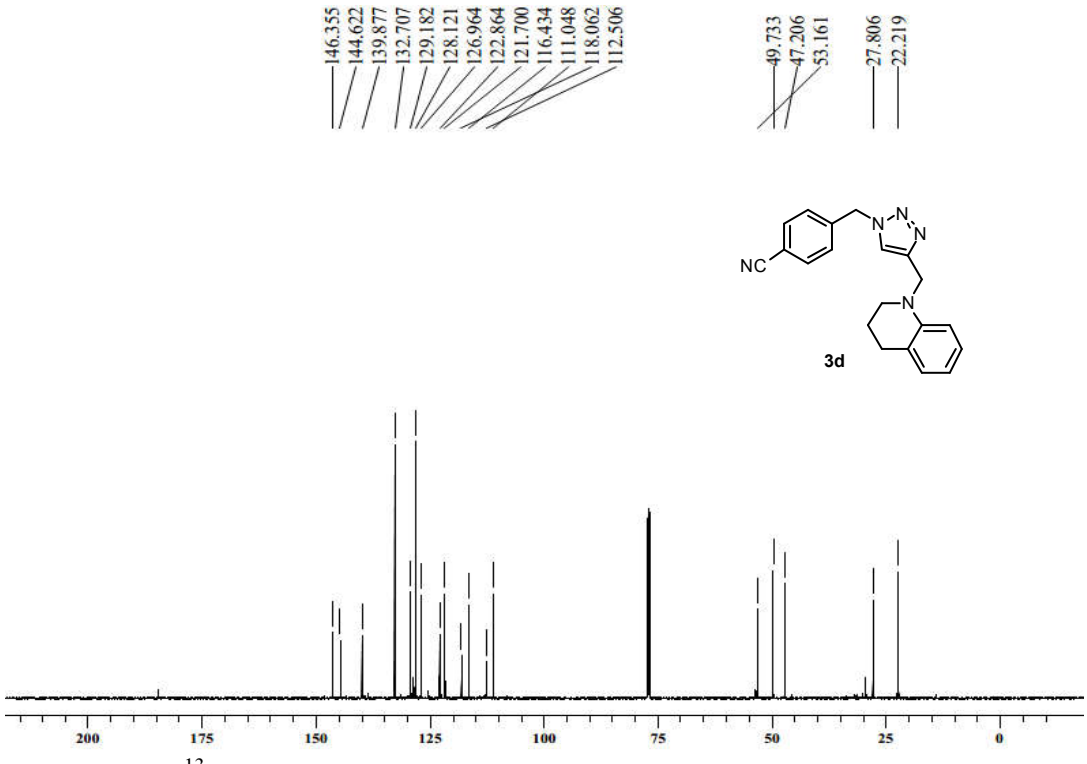


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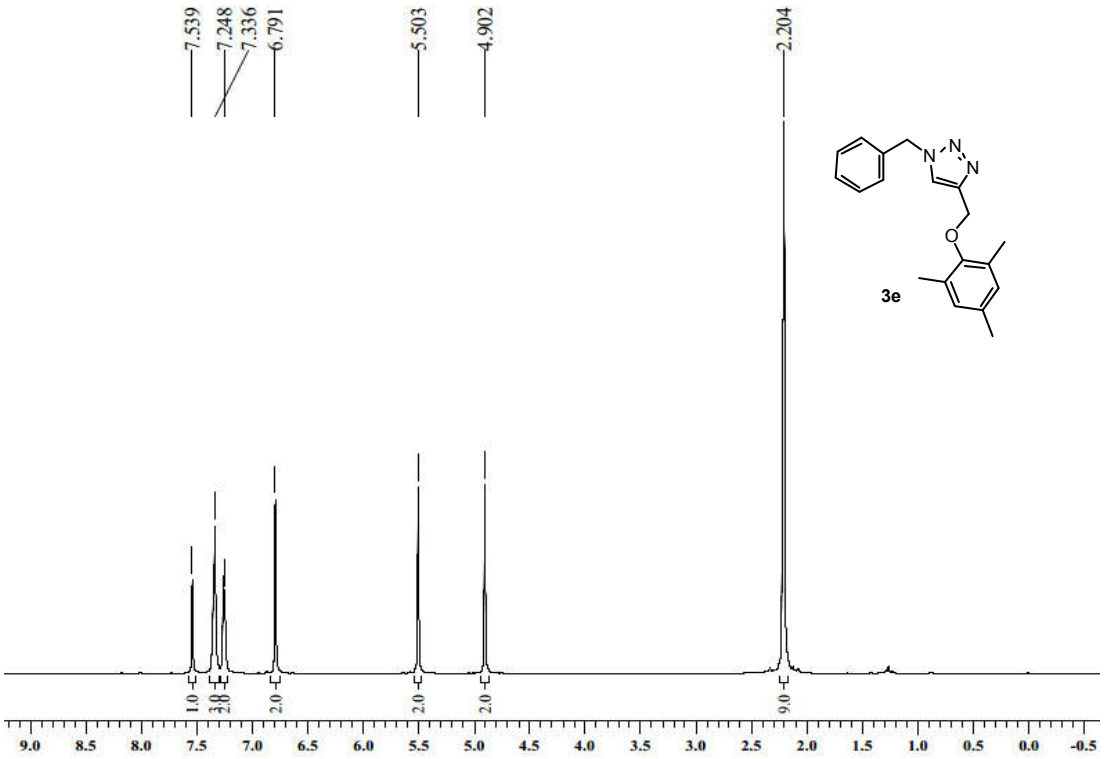


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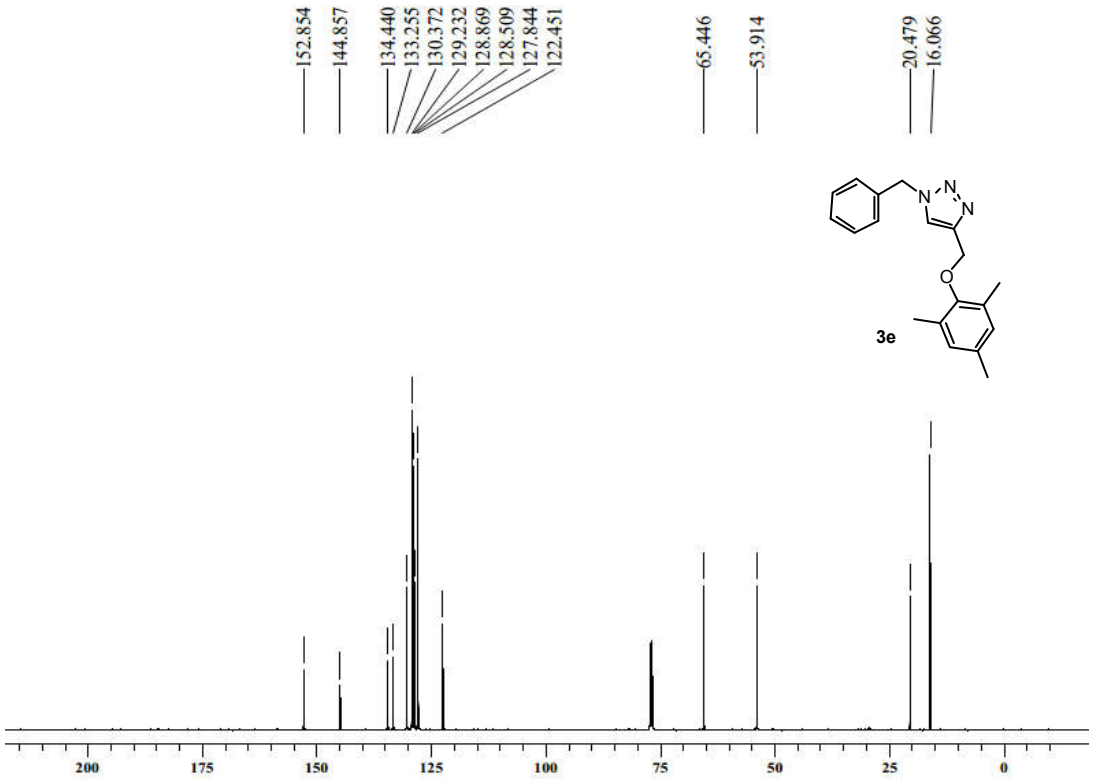
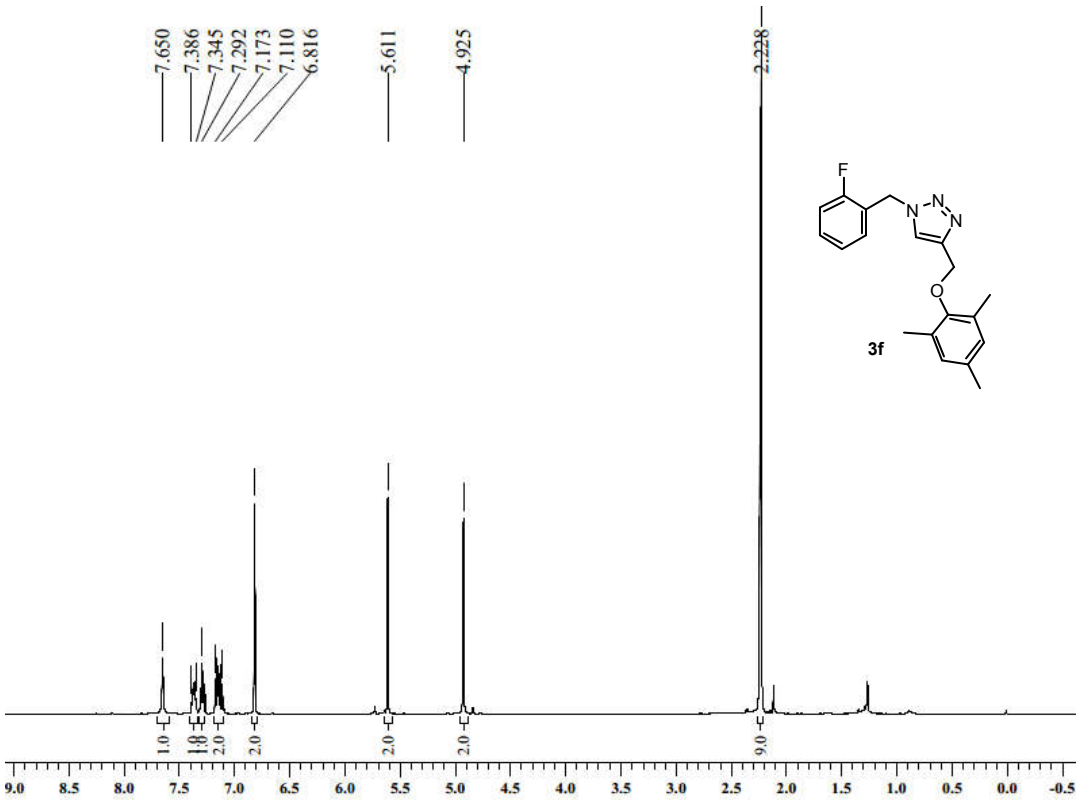
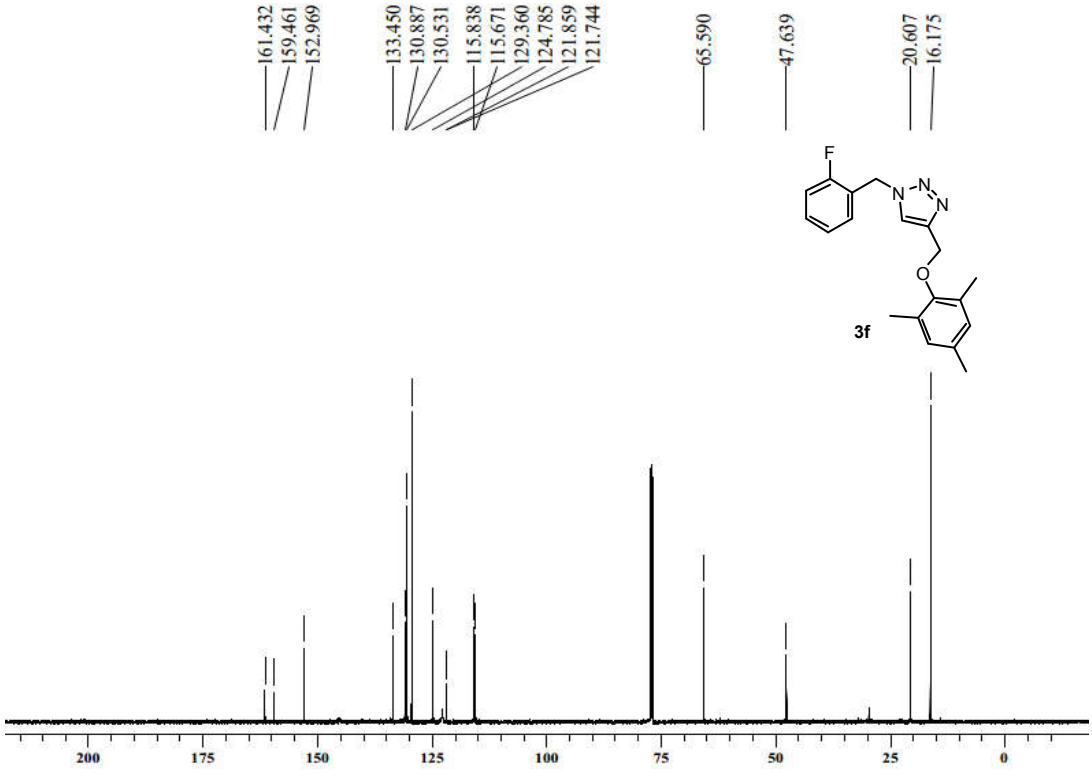


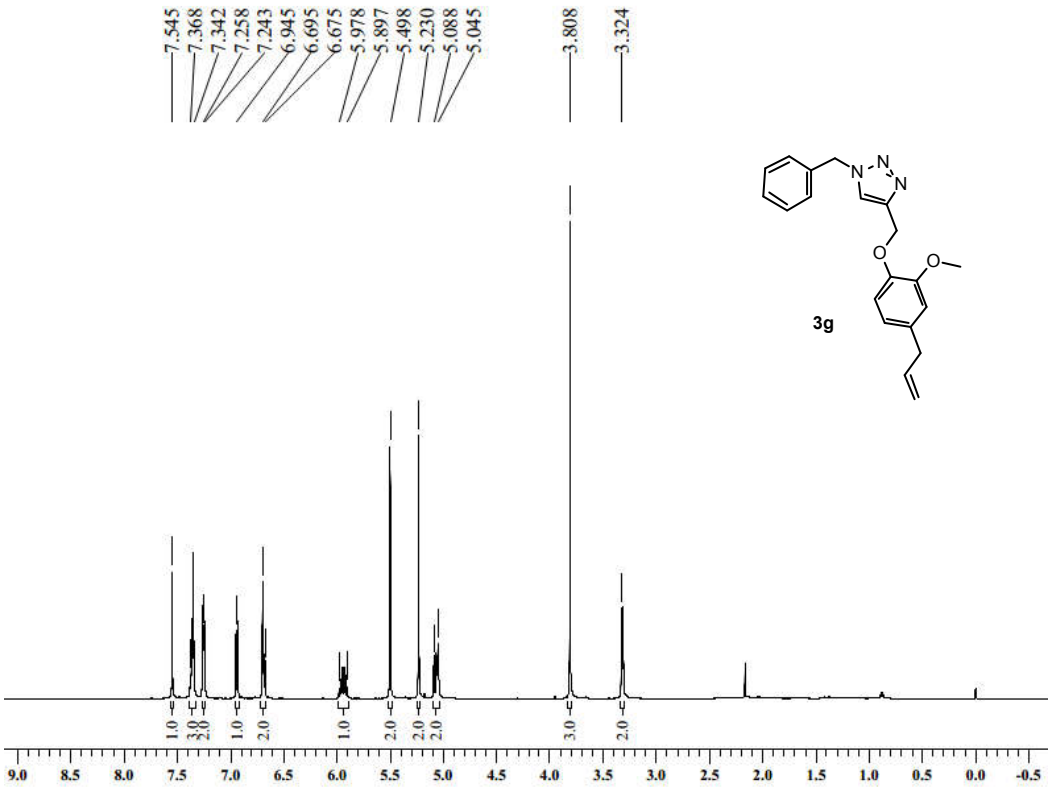

$^{13}$C NMR (125 MHz, $CDCl_3$) spectrum of compound **3e**



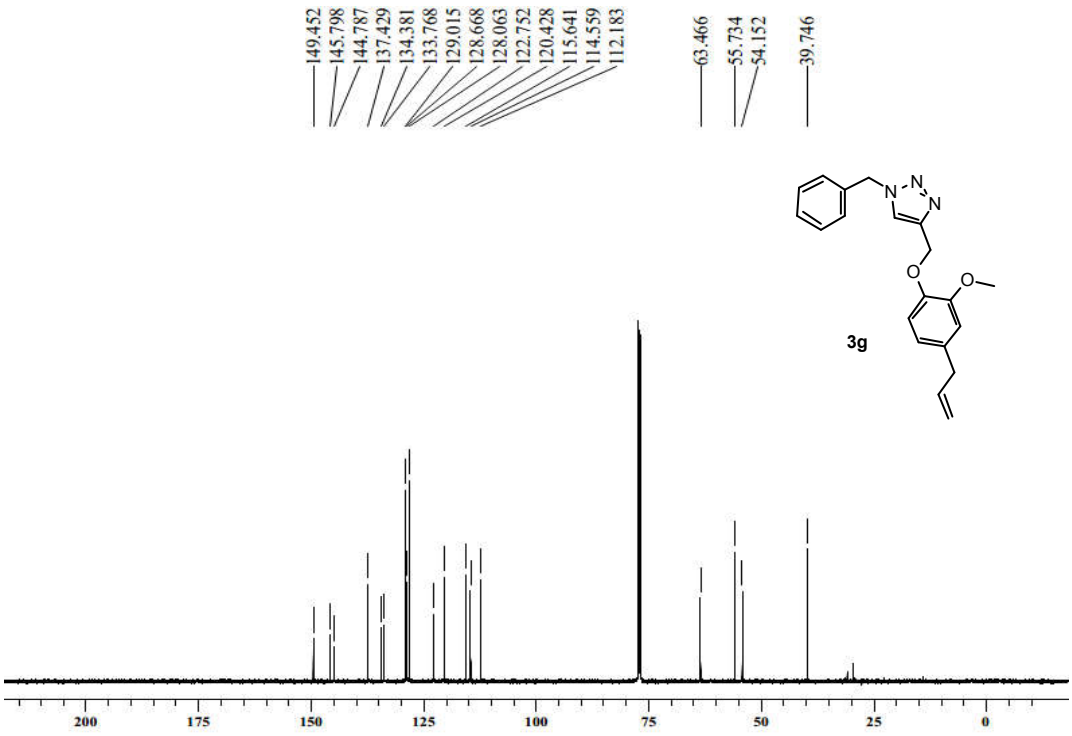

$^{1}$H NMR (500 MHz, $CDCl_3$) spectrum of compound **3f**



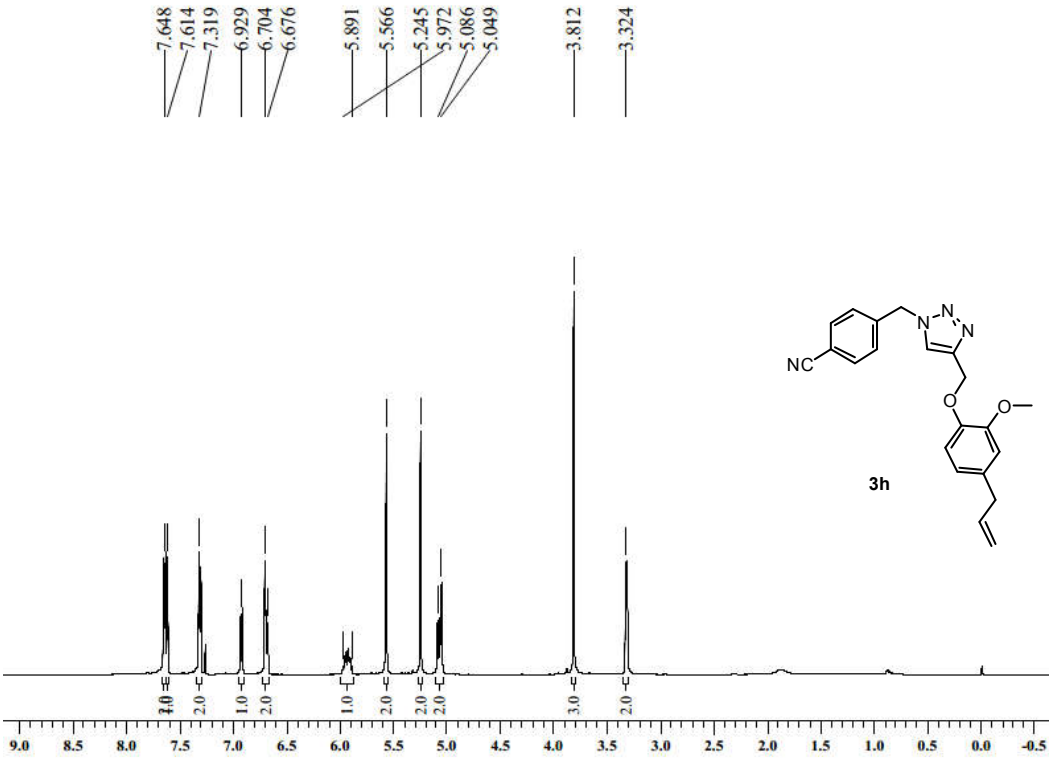

$^{13}$C NMR (125 MHz, $CDCl_3$) spectrum of compound **3f**



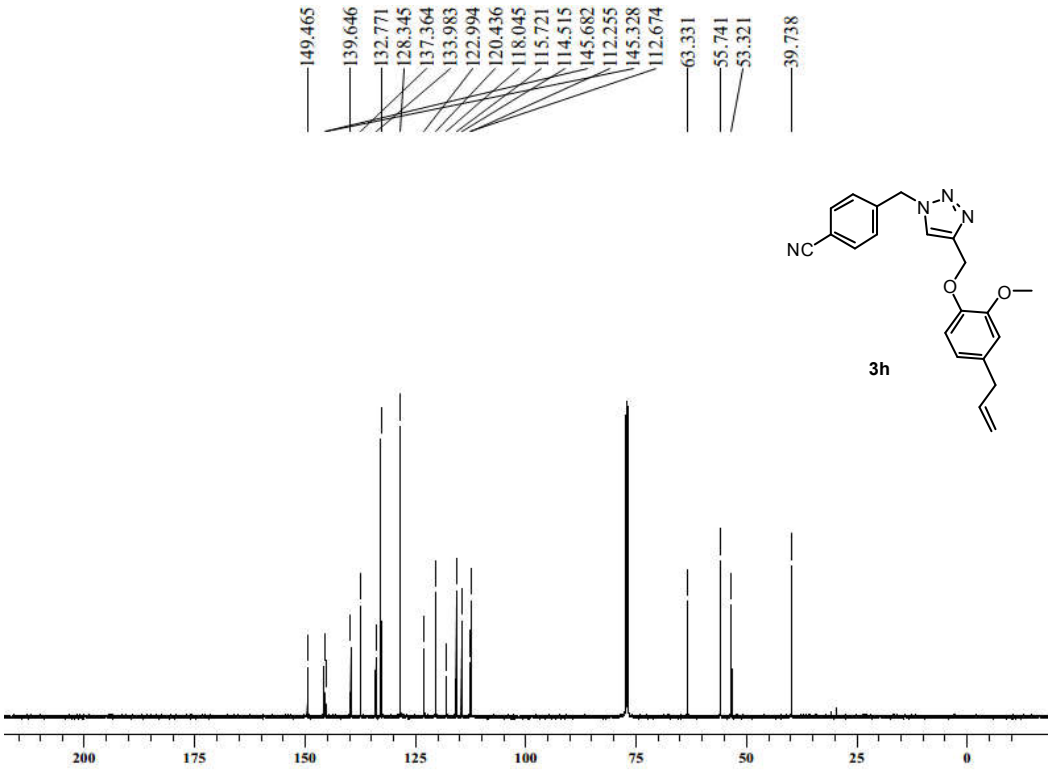

$^{1}$H NMR (500 MHz, $CDCl_3$) spectrum of compound **3g**




$^{13}$C NMR (125 MHz, $CDCl_3$) spectrum of compound **3g**




$^{1}$H NMR (500 MHz, $CDCl_3$) spectrum of compound **3h**

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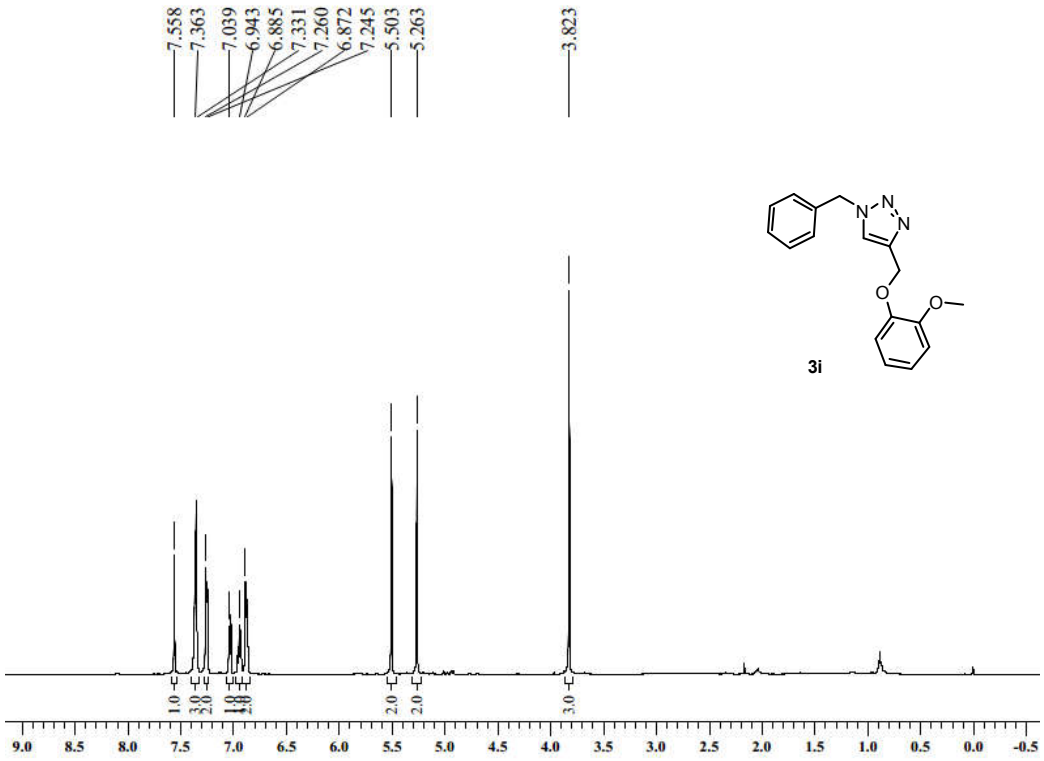
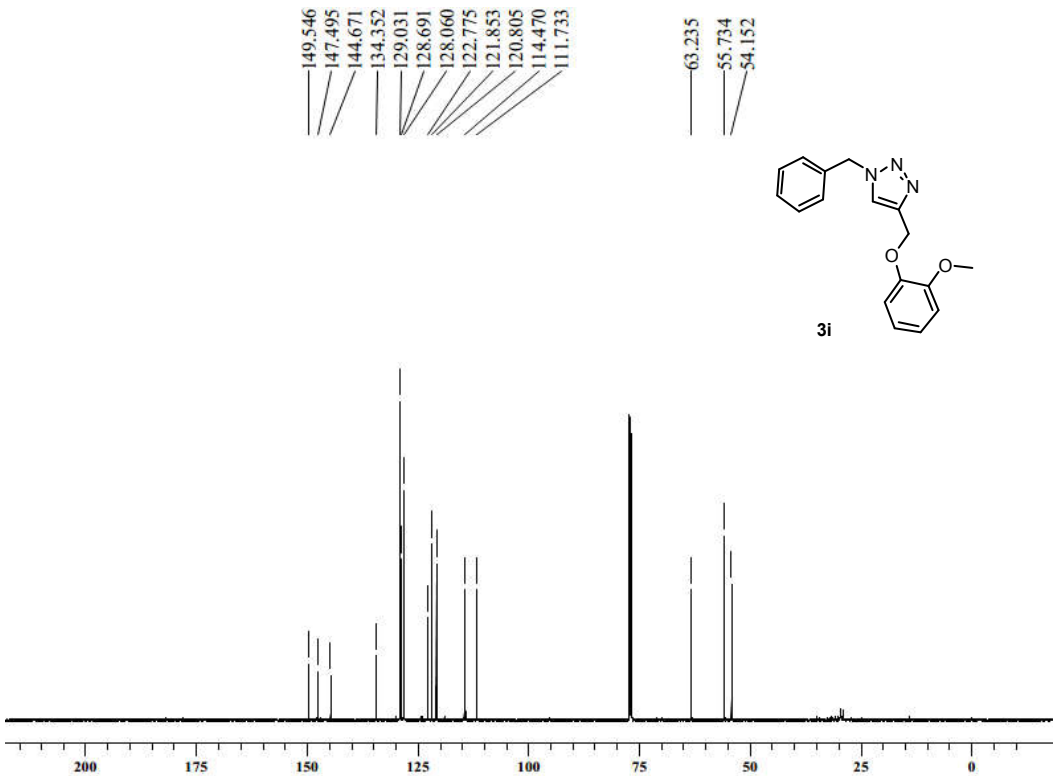
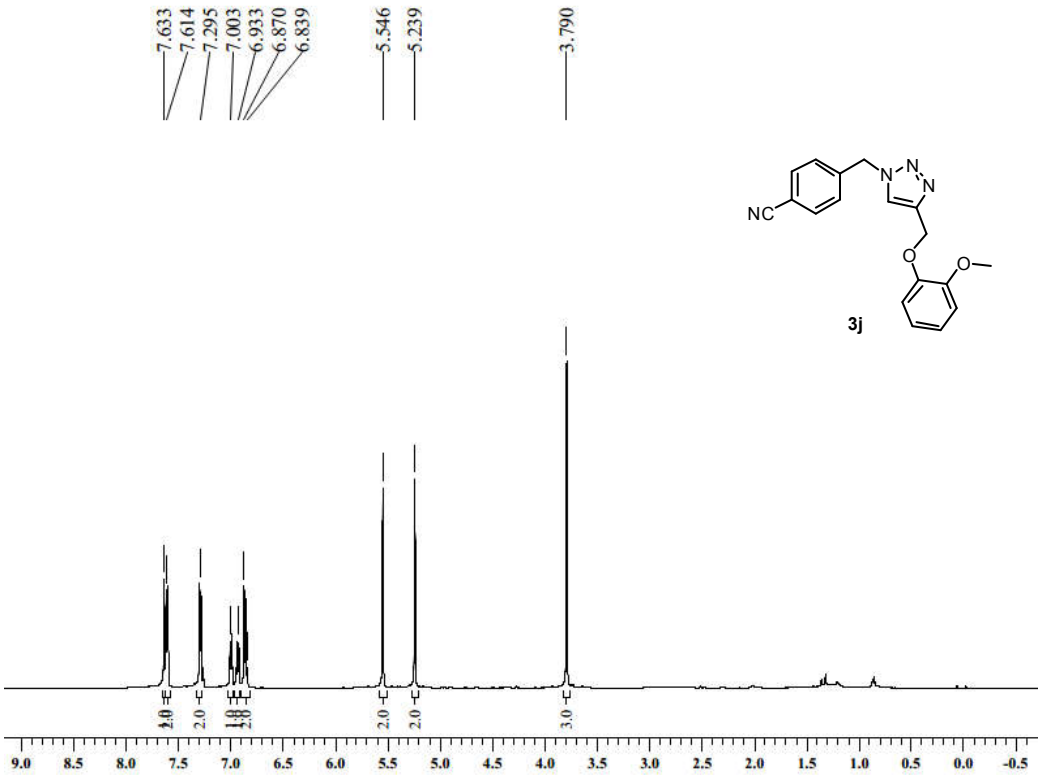



$^{1}$H NMR (500 MHz, $CDCl_3$) spectrum of compound **3i**




$^{13}$C NMR (125 MHz, $CDCl_3$) spectrum of compound **3i**

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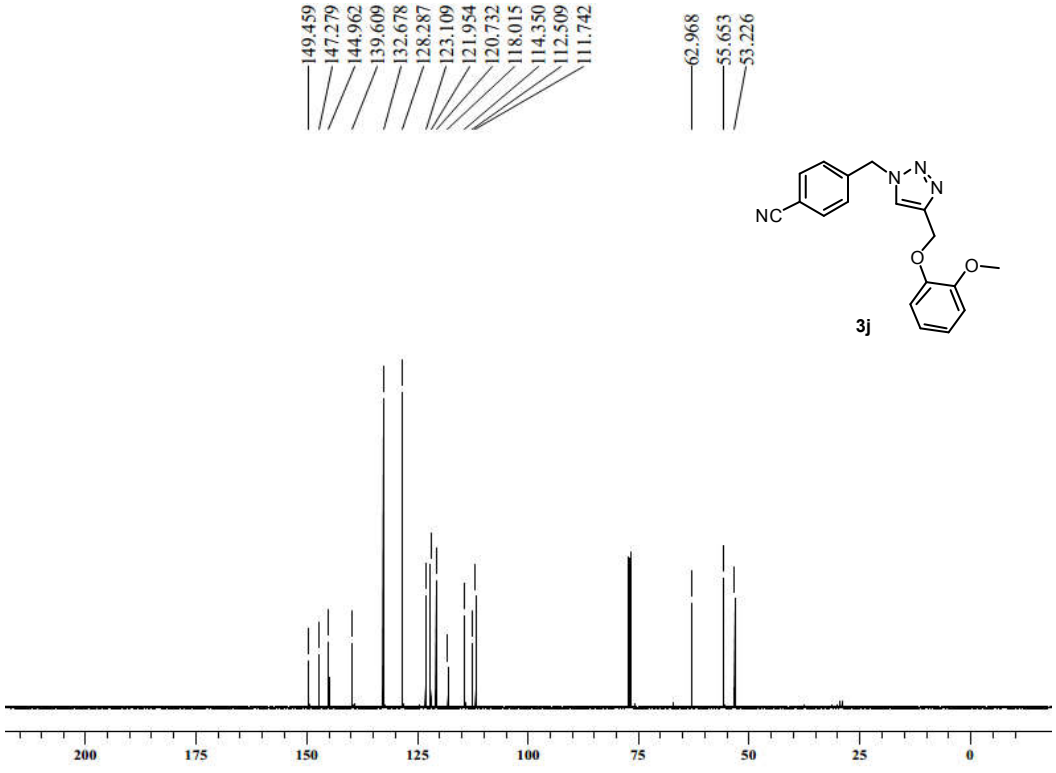
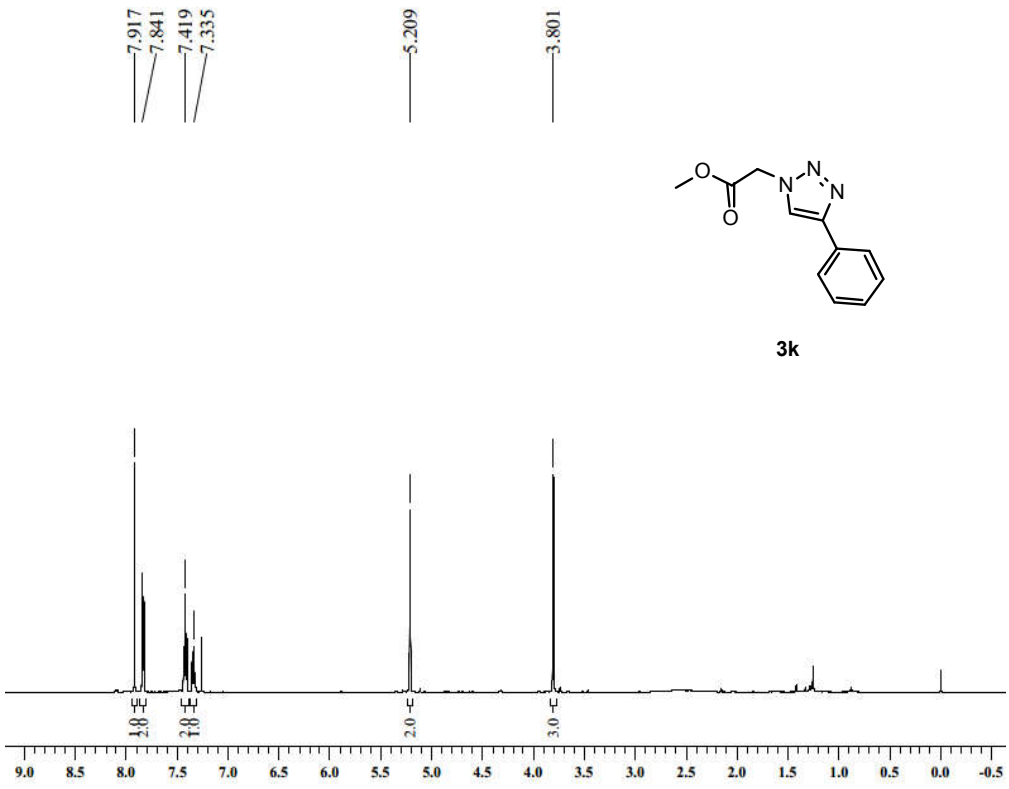



$^{13}$C NMR (125 MHz, $CDCl_3$) spectrum of compound **3j**

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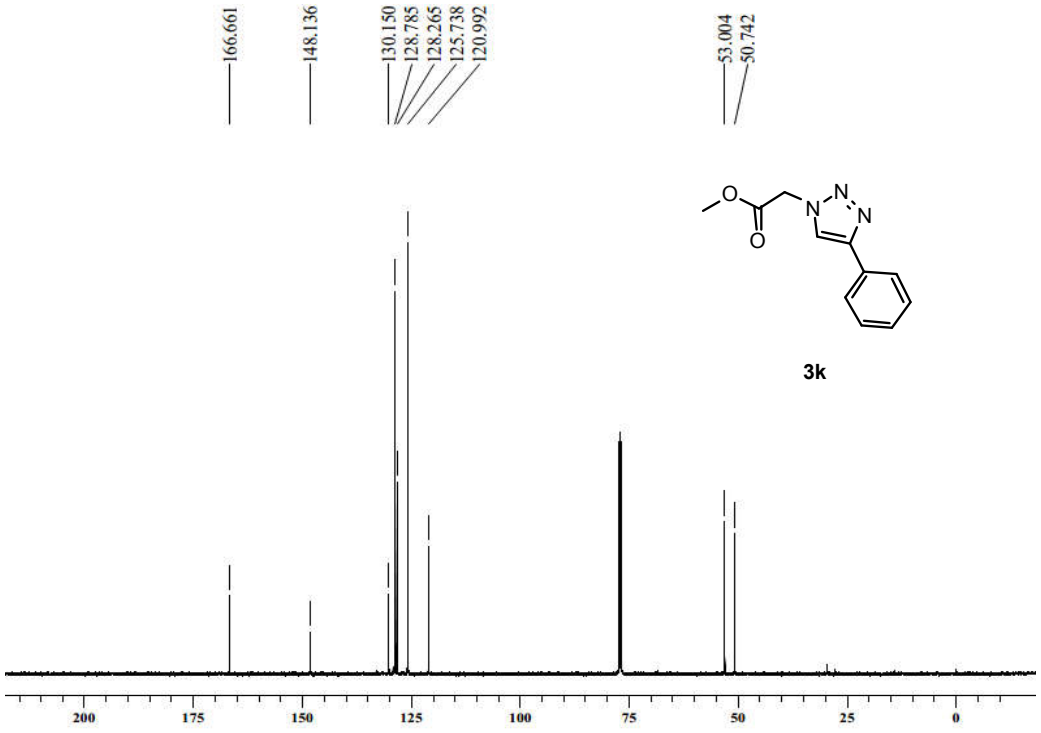
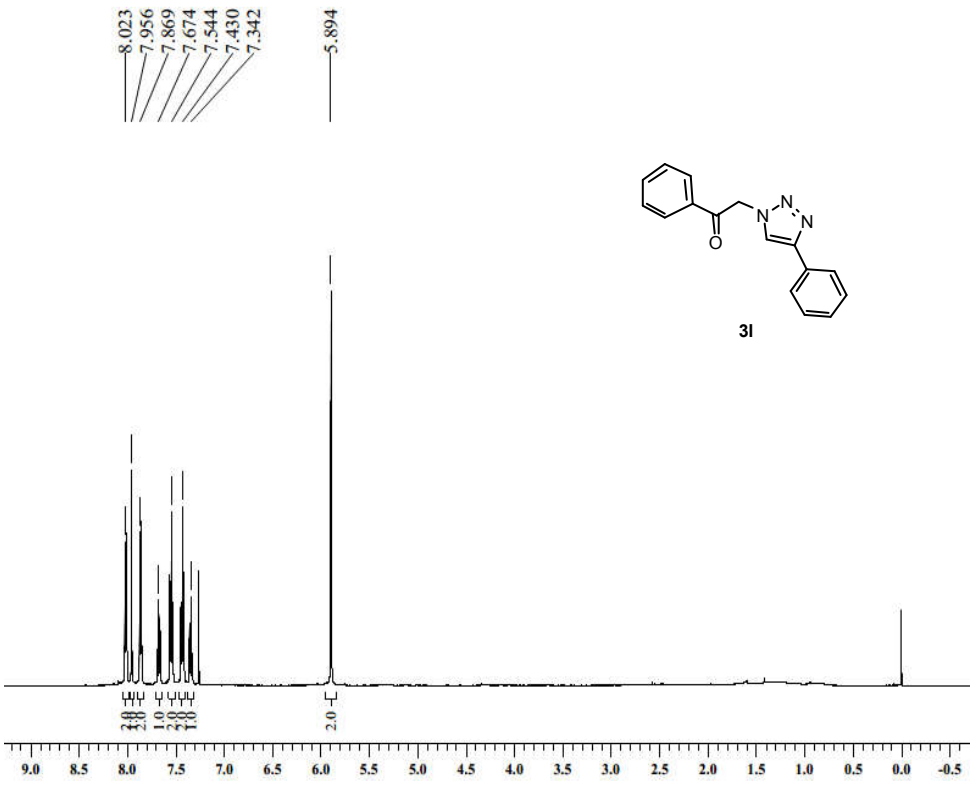
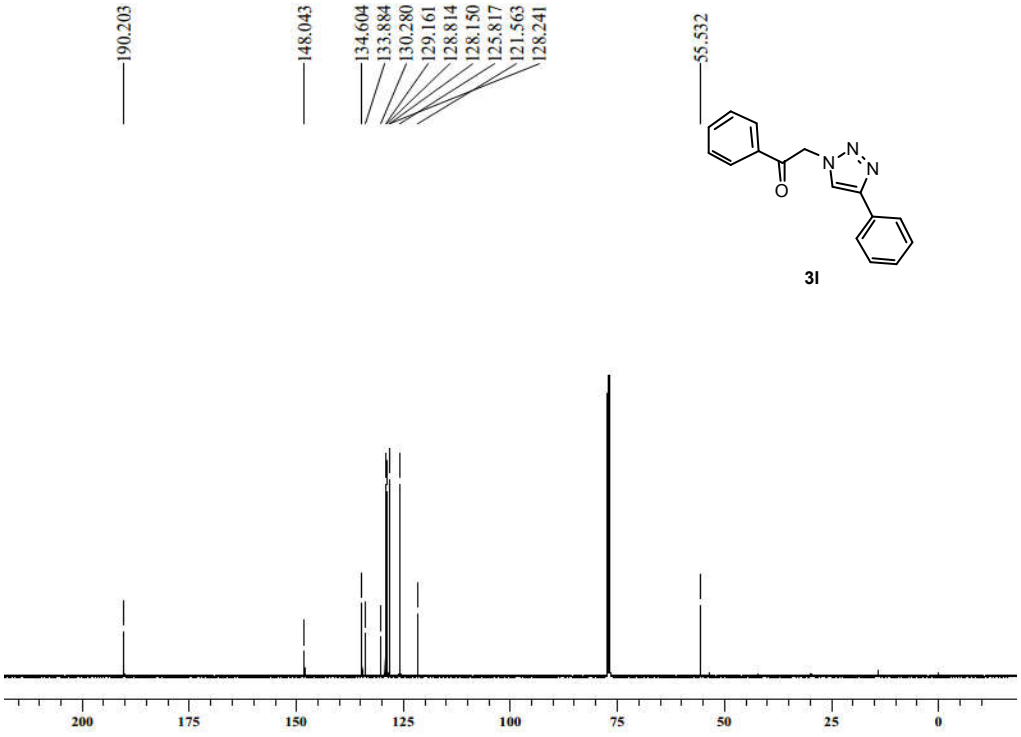


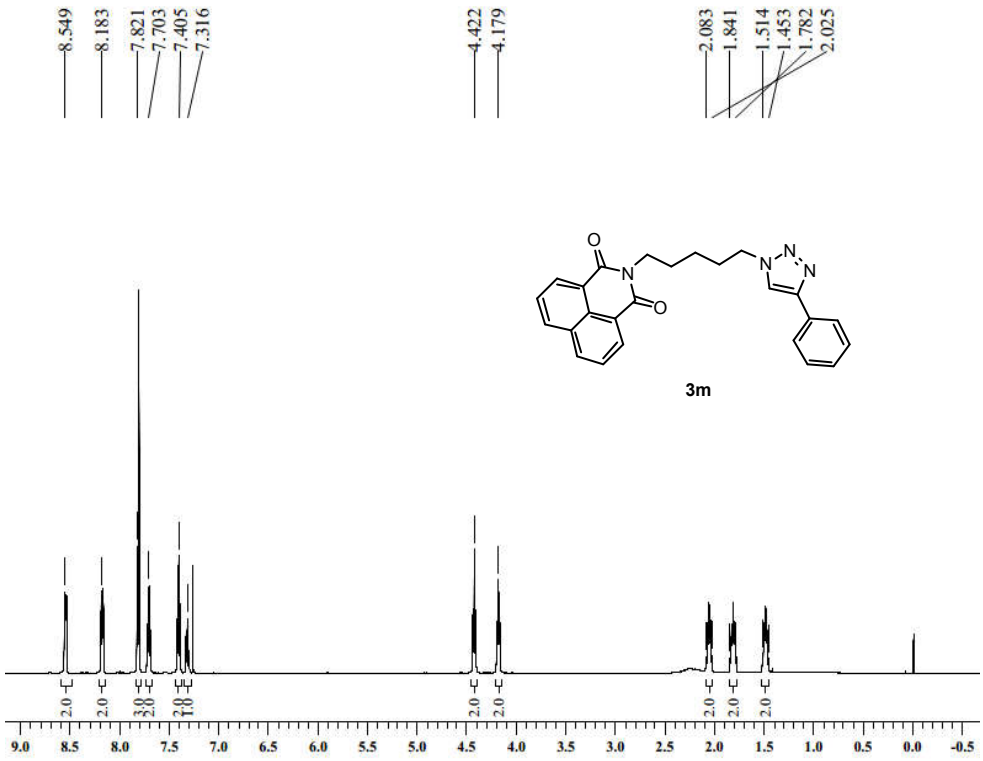

$^{13}$C NMR (125 MHz, $CDCl_3$) spectrum of compound **3k**



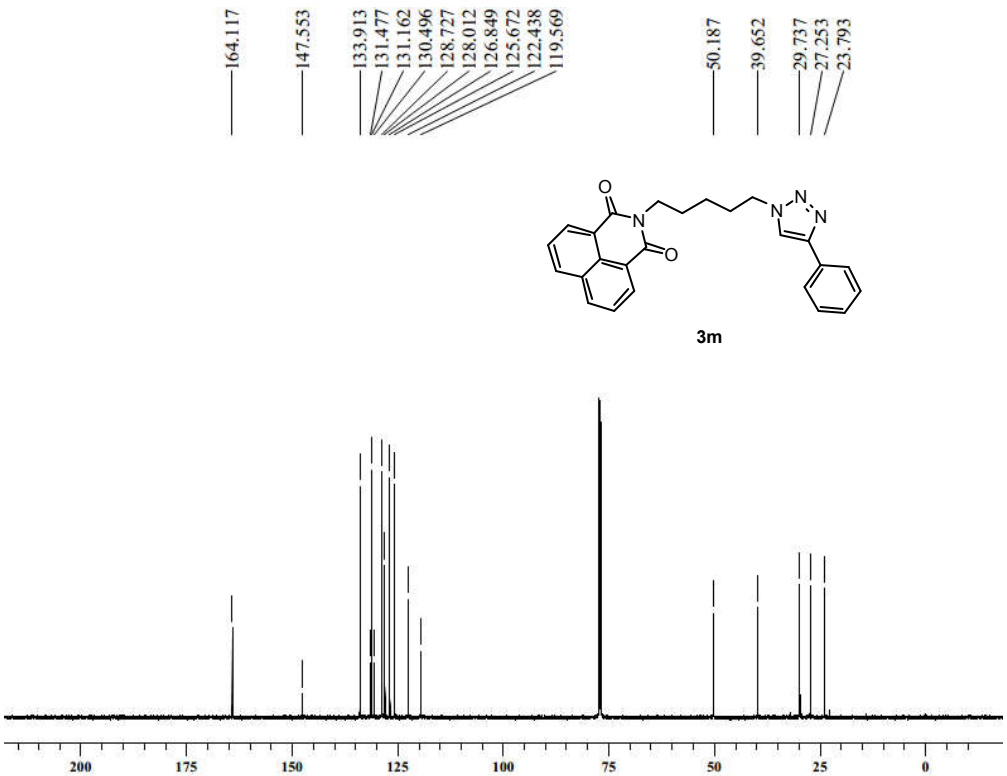

$^{1}$H NMR (500 MHz, $CDCl_3$) spectrum of compound **3l**



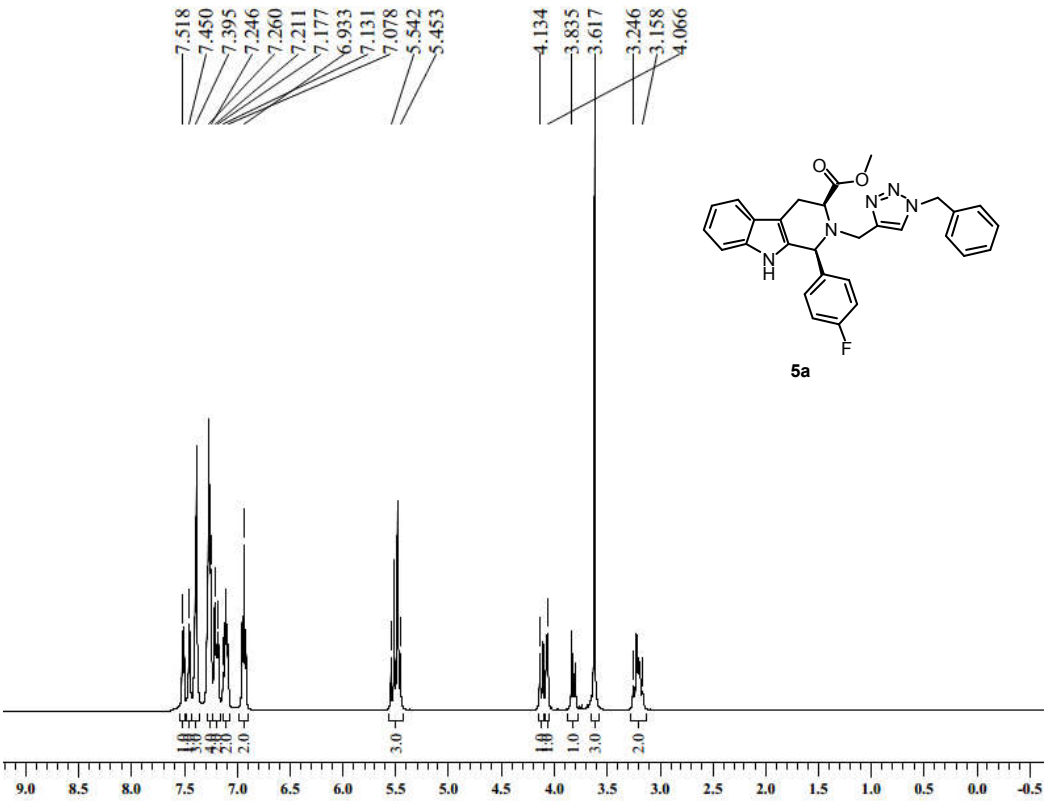

$^{13}$C NMR (125 MHz, $CDCl_3$) spectrum of compound **3l**



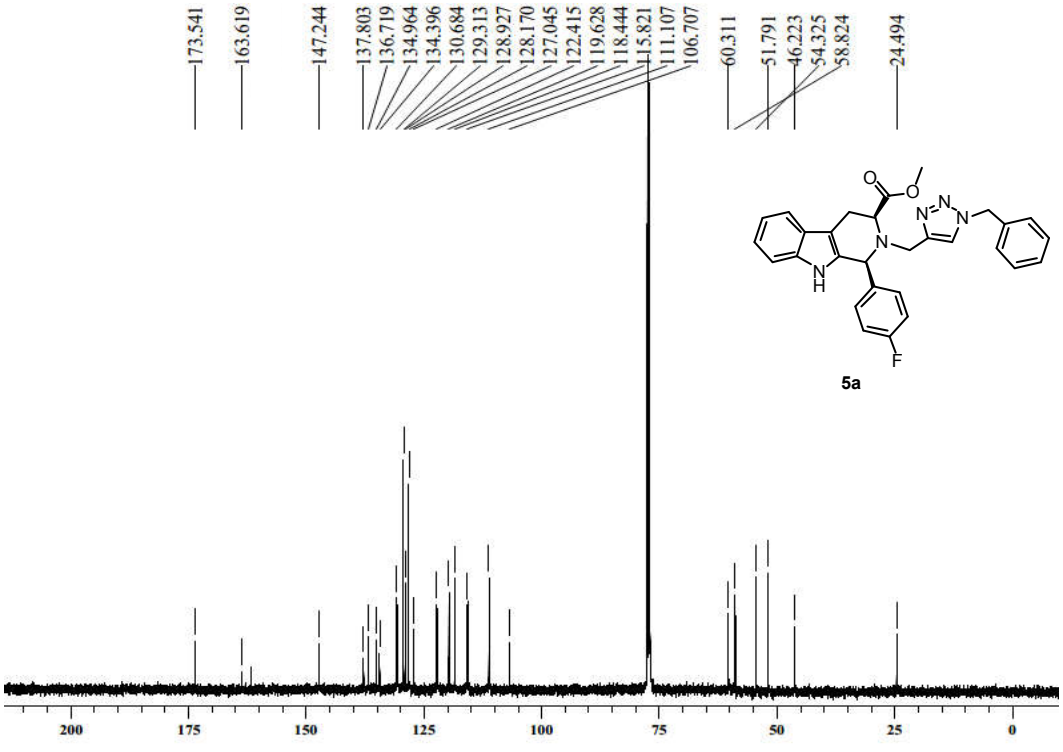

$^{1}$H NMR (500 MHz, $CDCl_3$) spectrum of compound **3m**



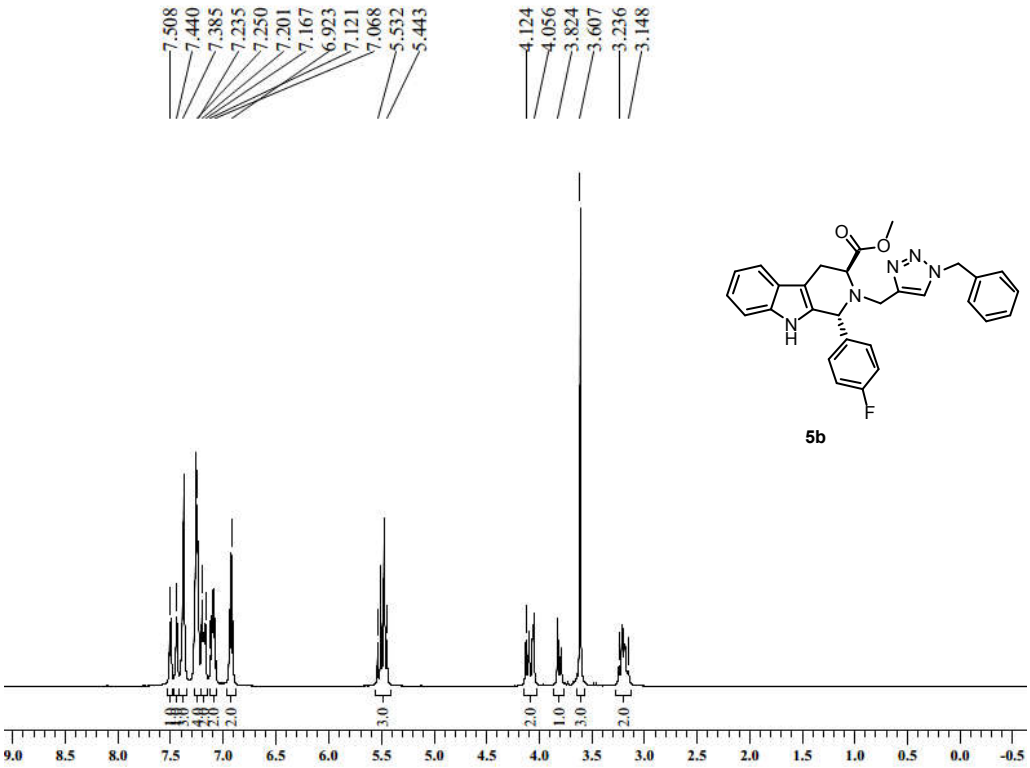

$^{13}$C NMR (125 MHz, $CDCl_3$) spectrum of compound **3m**



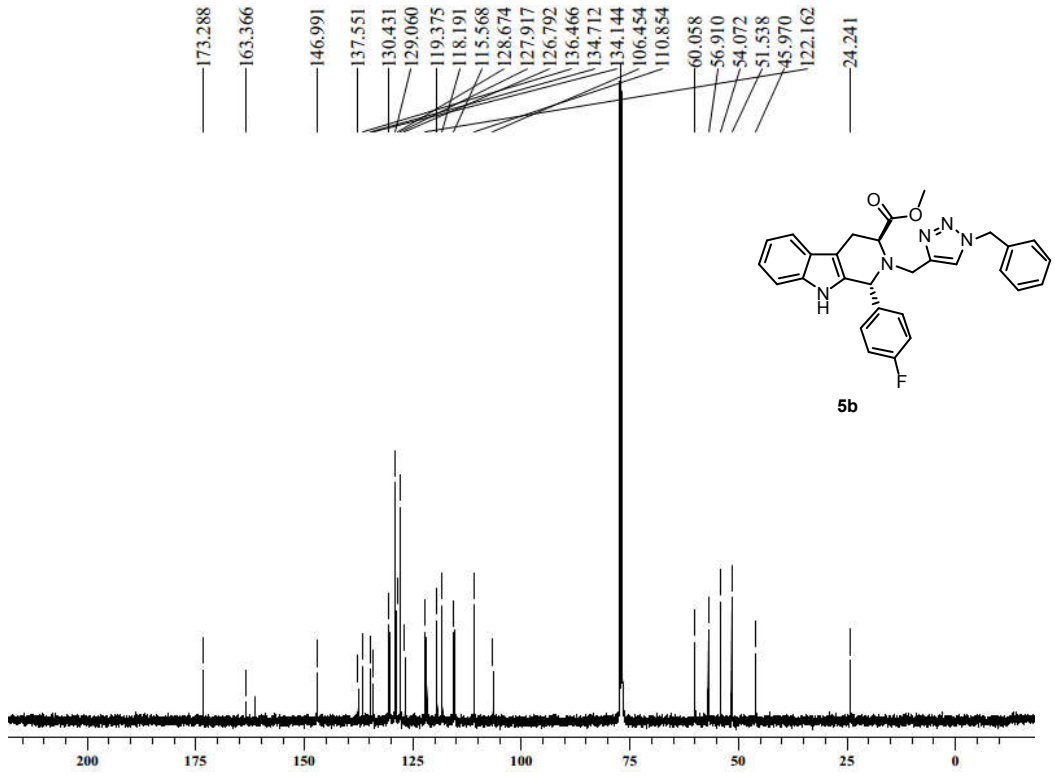

$^{1}$H NMR (500 MHz, $CDCl_3$) spectrum of compound **5a**



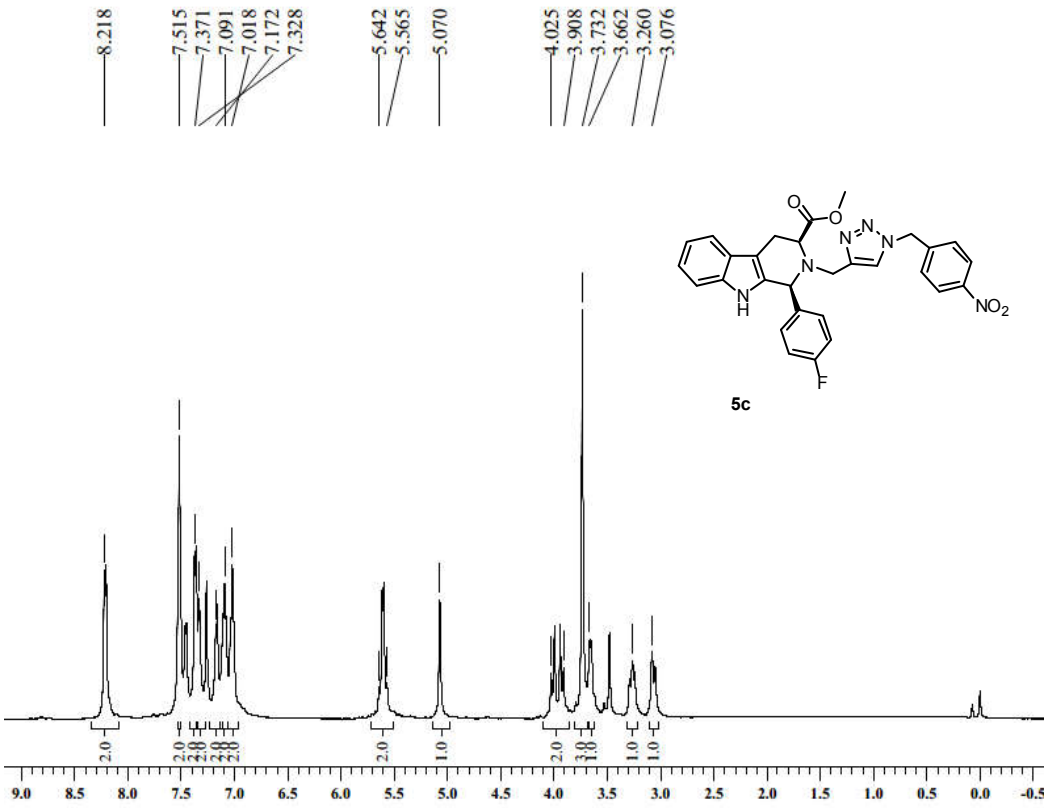

$^{13}$C NMR (125 MHz, $CDCl_3$) spectrum of compound **5a**




$^{1}$H NMR (500 MHz, $CDCl_3$) spectrum of compound **5b**




$^{13}$C NMR (125 MHz, $CDCl_3$) spectrum of compound **5b**

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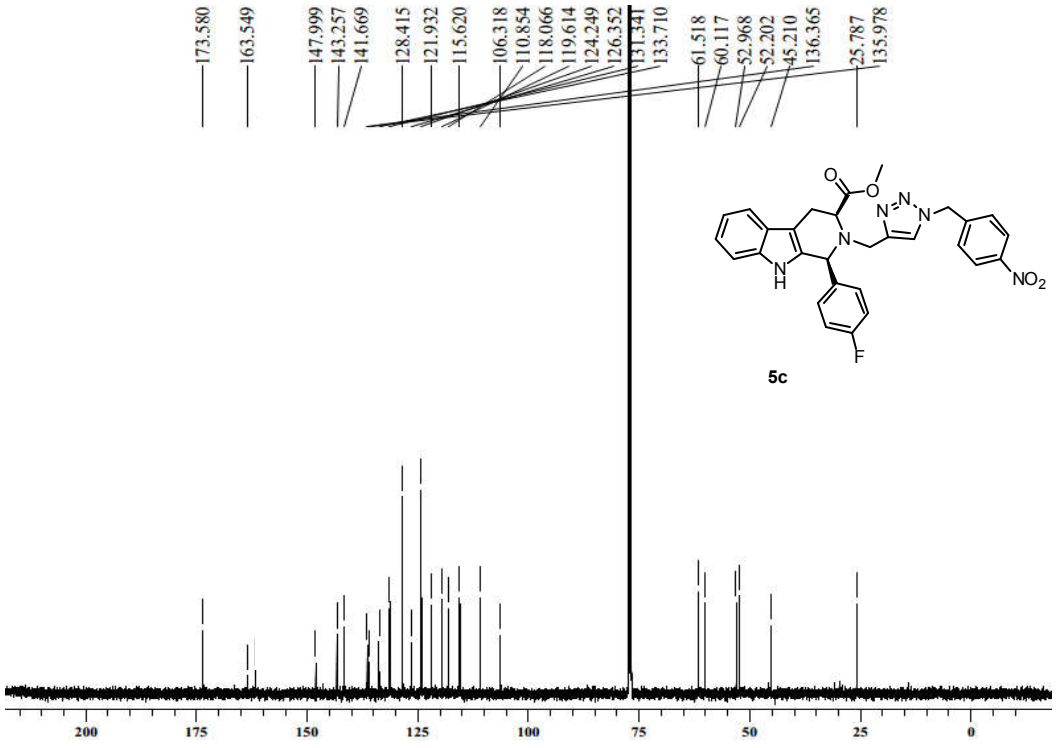


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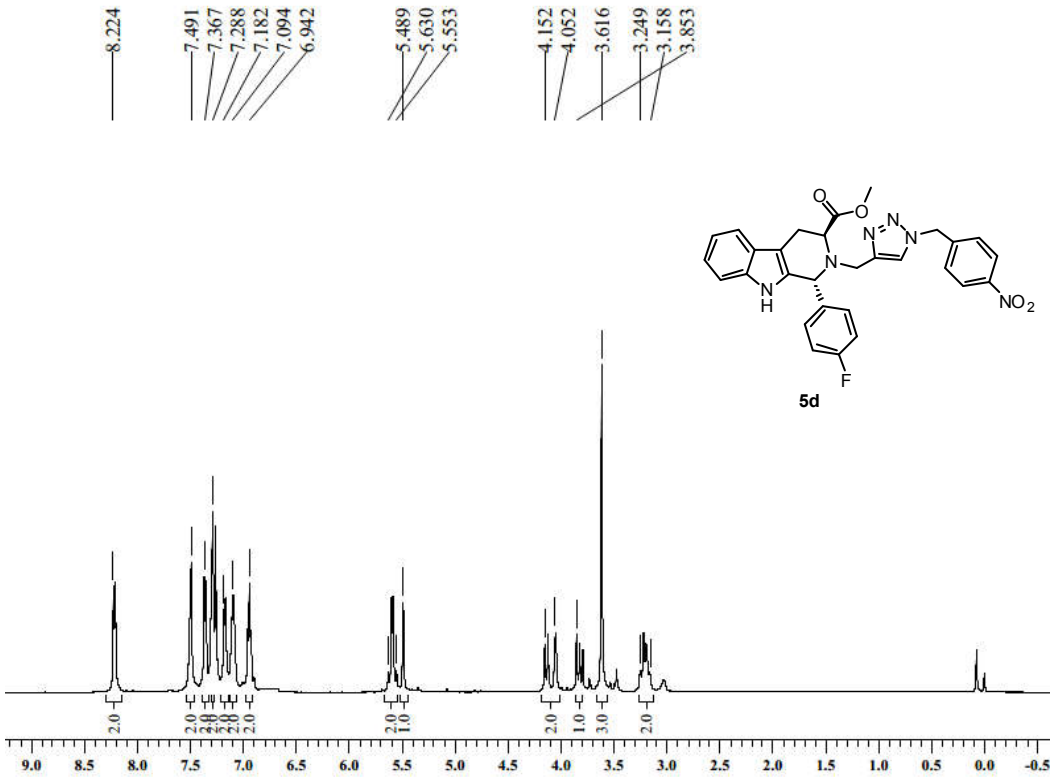


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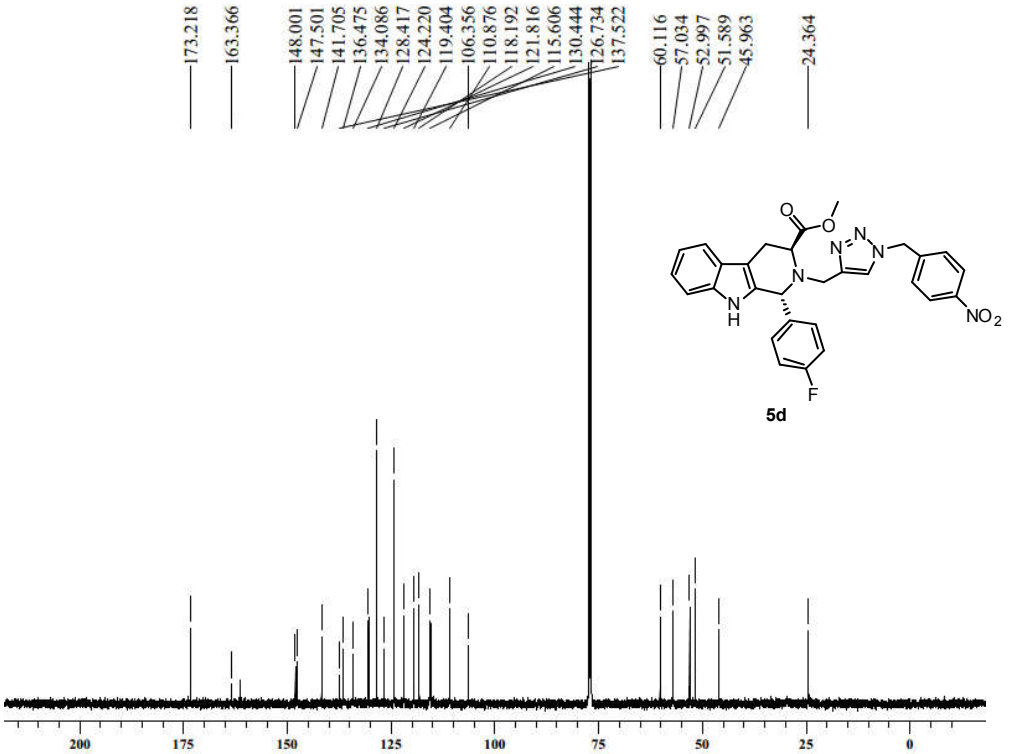


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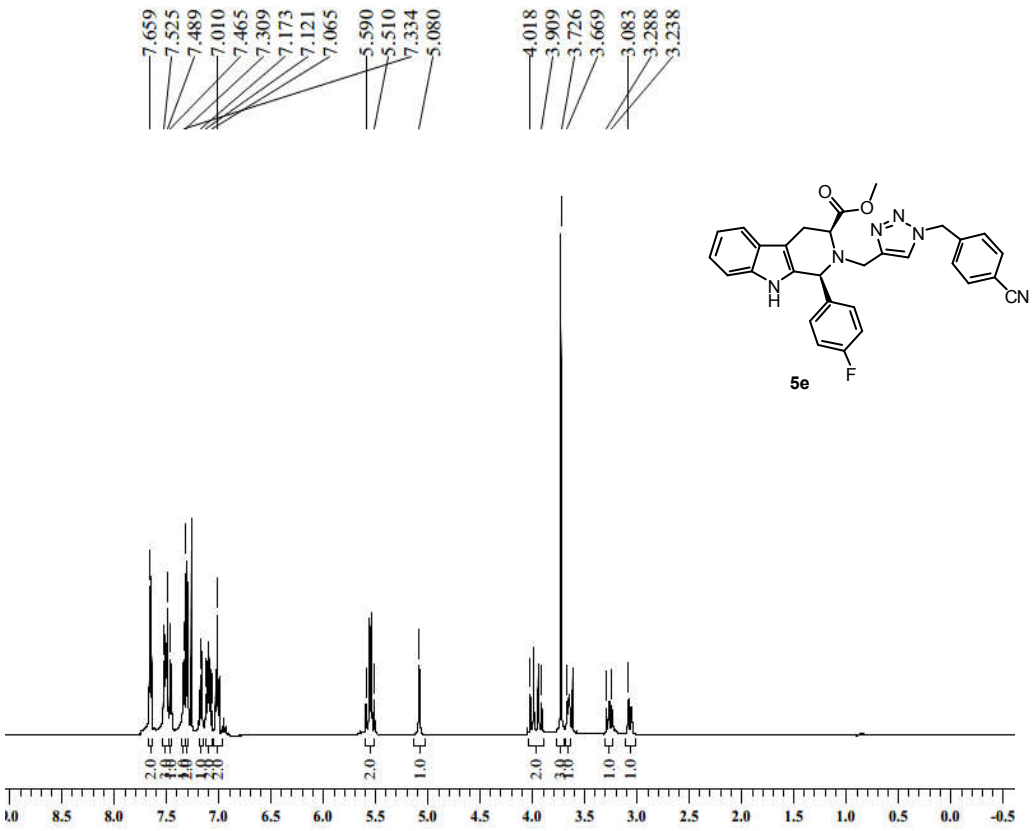


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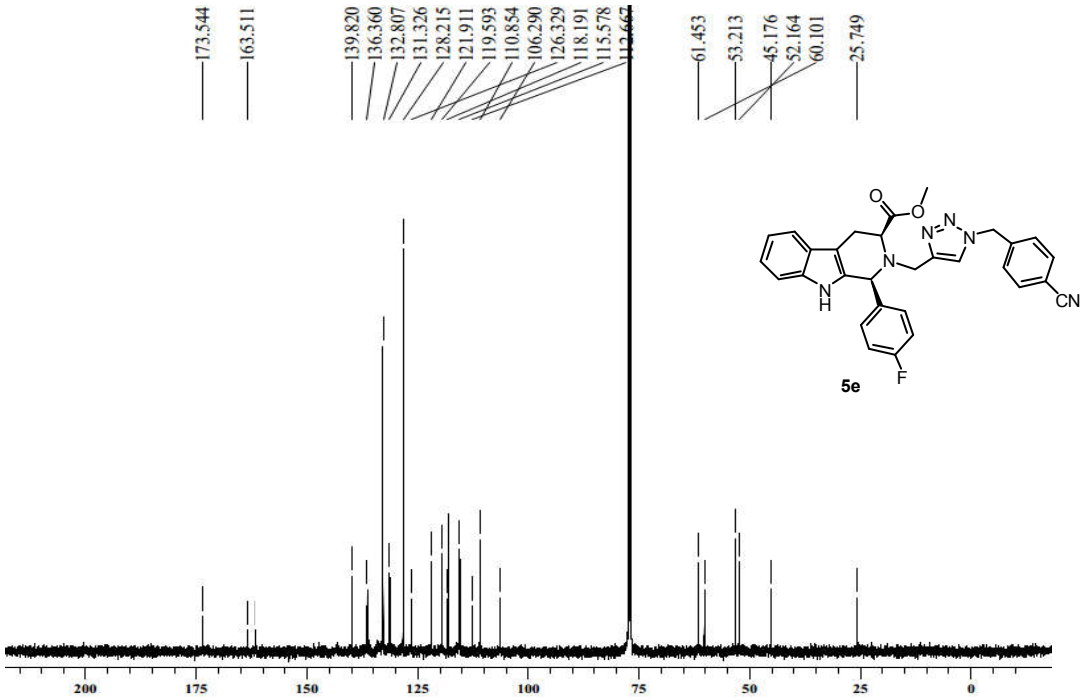


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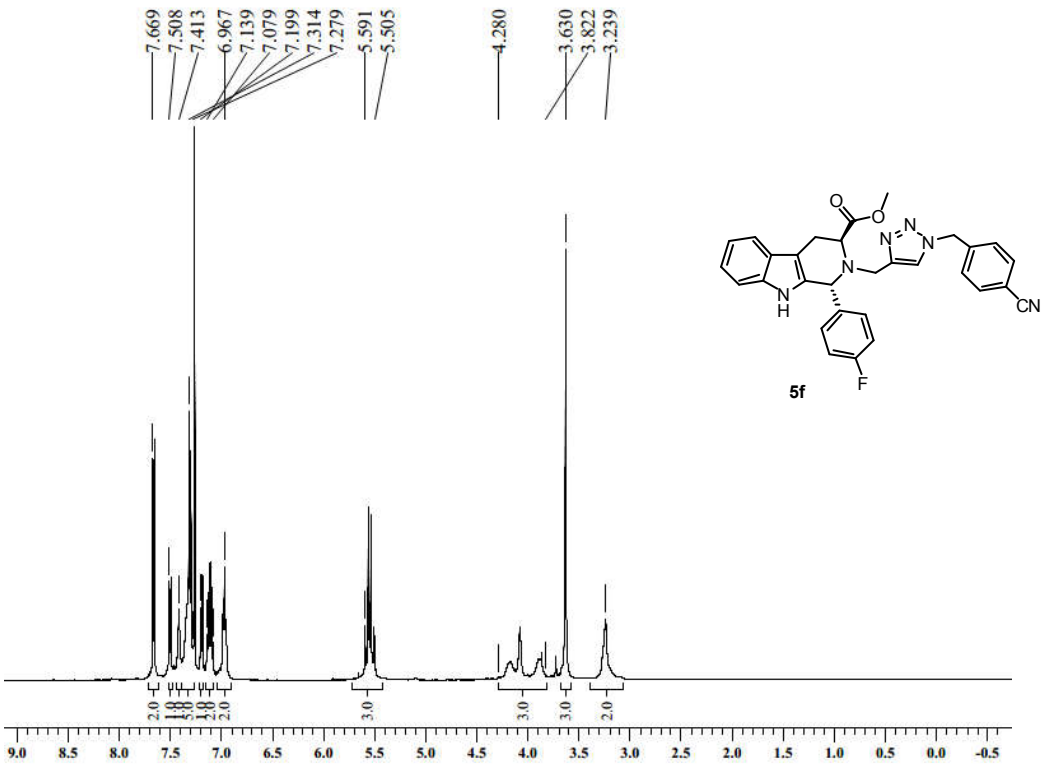
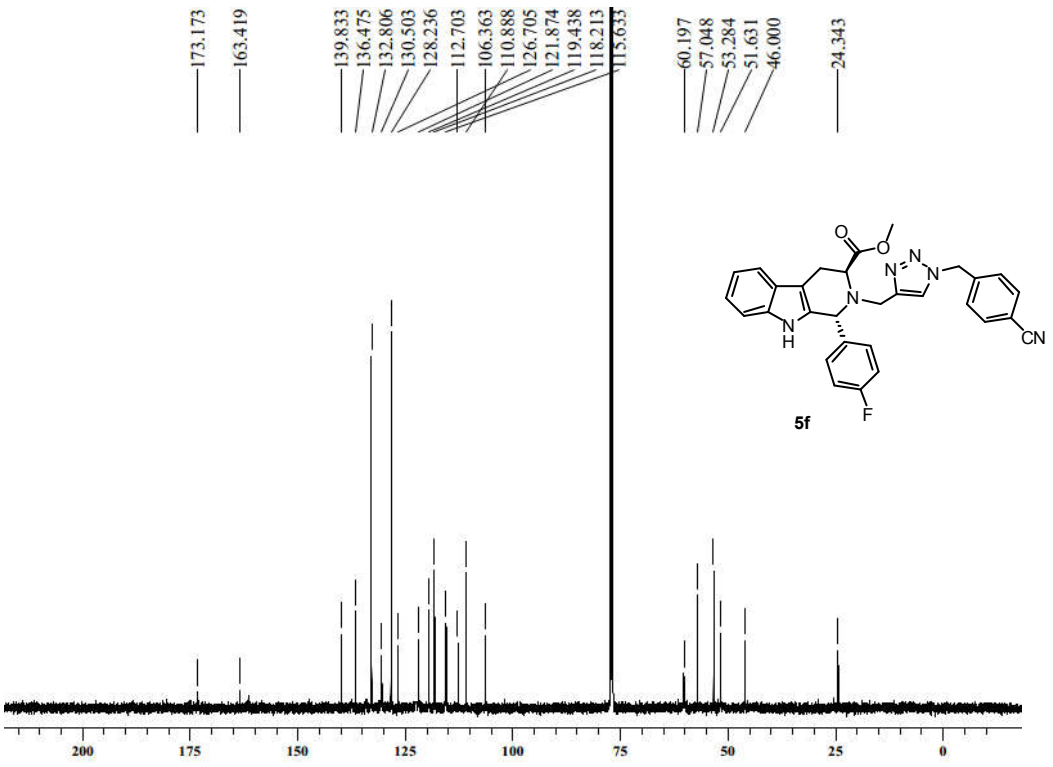
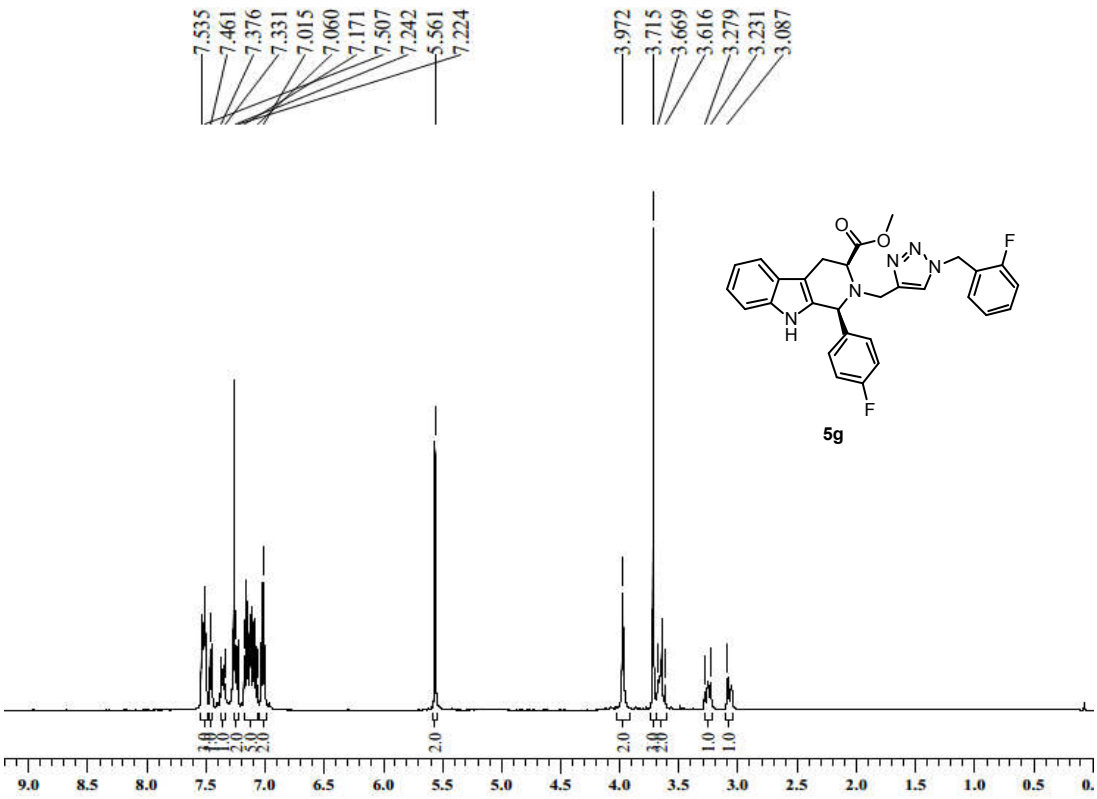



$^{1}$H NMR (500 MHz, $CDCl_3$) spectrum of compound **5f**




$^{13}$C NMR (125 MHz, $CDCl_3$) spectrum of compound **5f**

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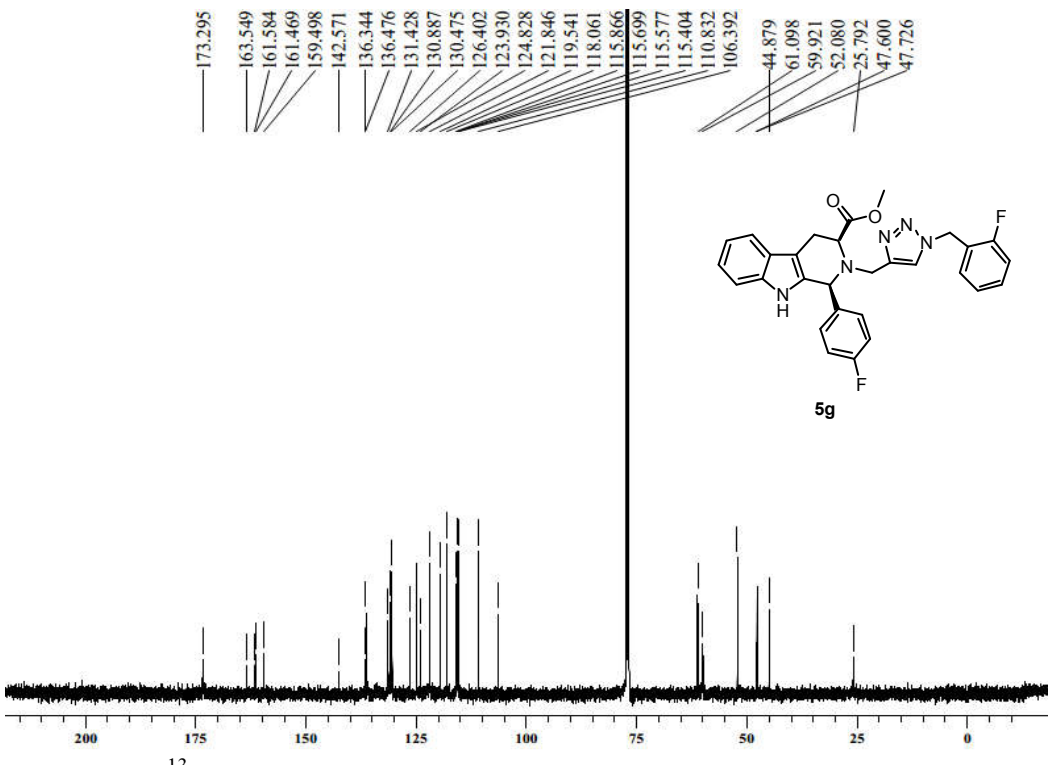
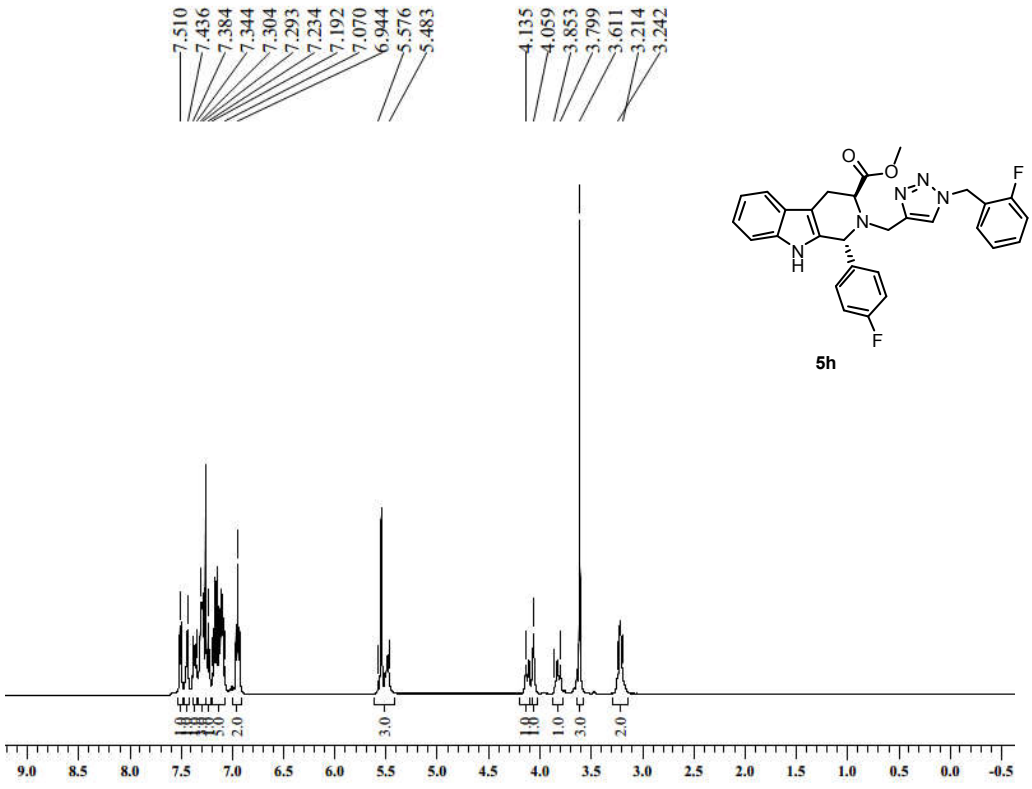



$^{13}$C NMR (125 MHz, $CDCl_3$) spectrum of compound **5g**

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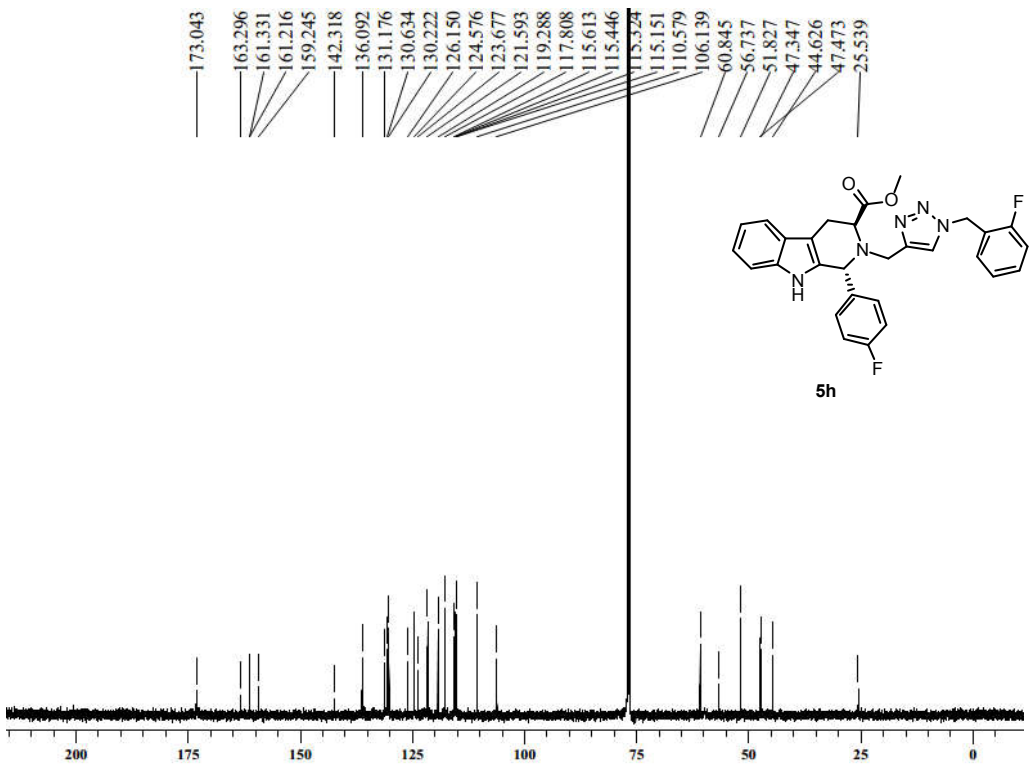
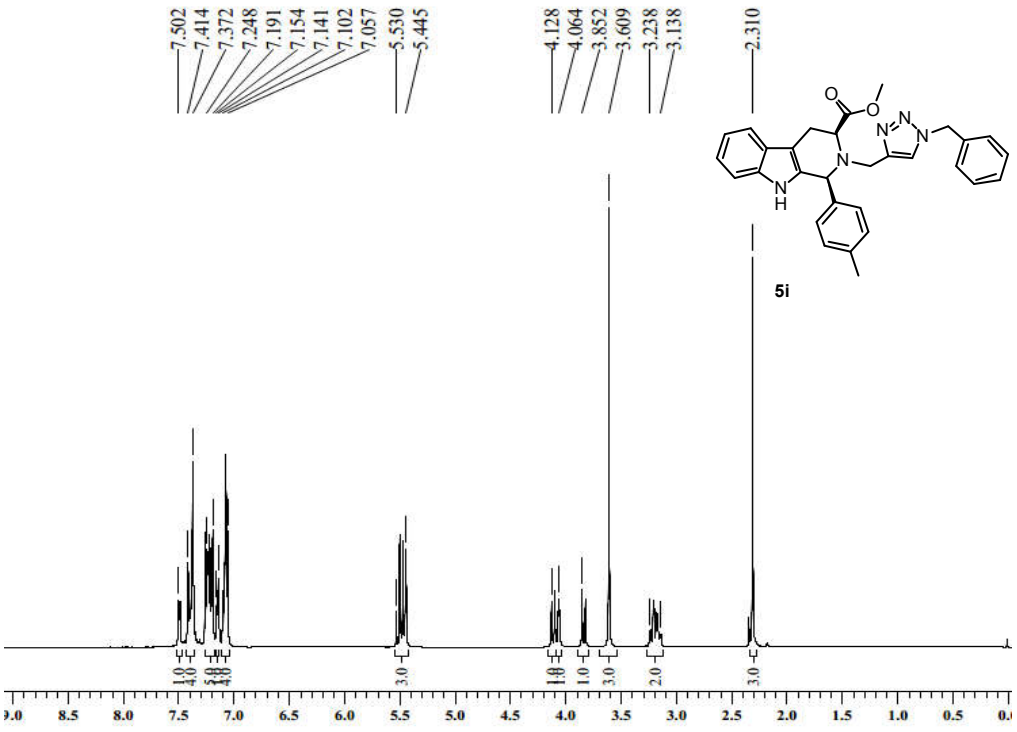



$^{13}$C NMR (125 MHz, $CDCl_3$) spectrum of compound **5h**

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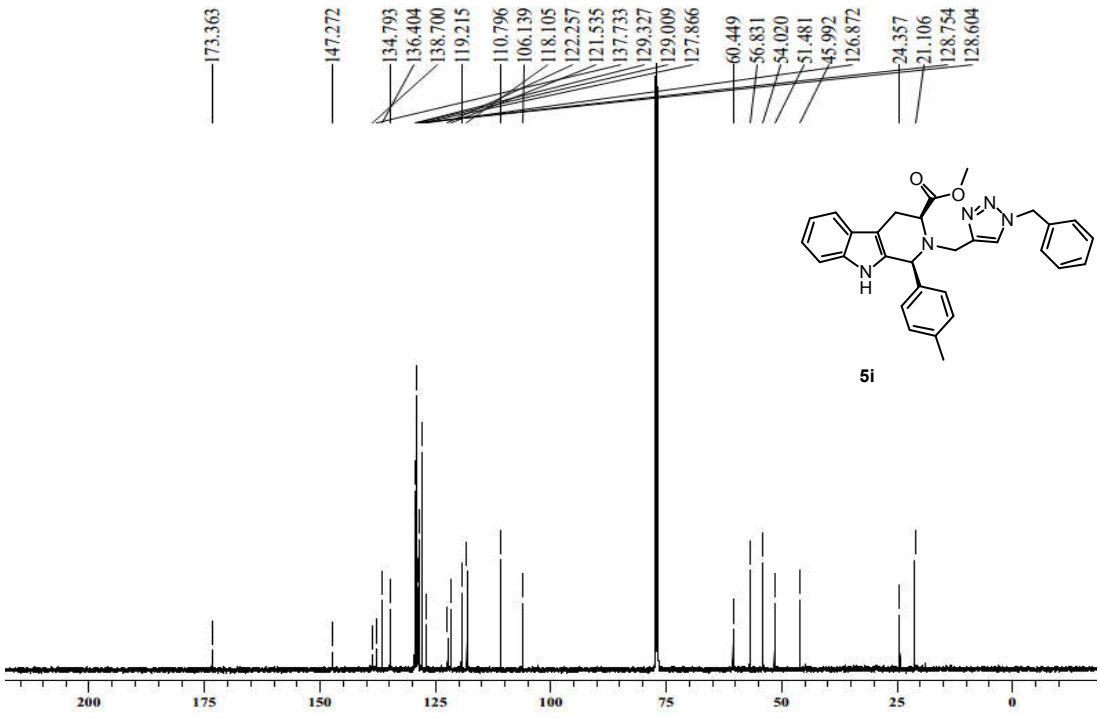


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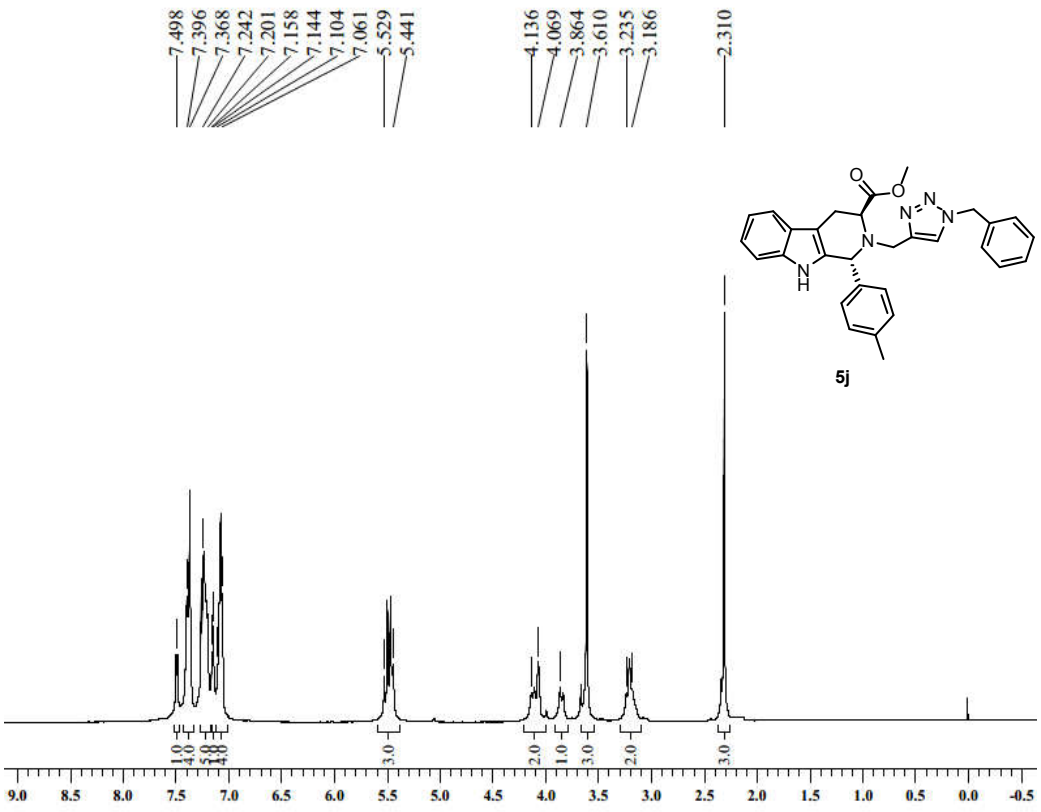


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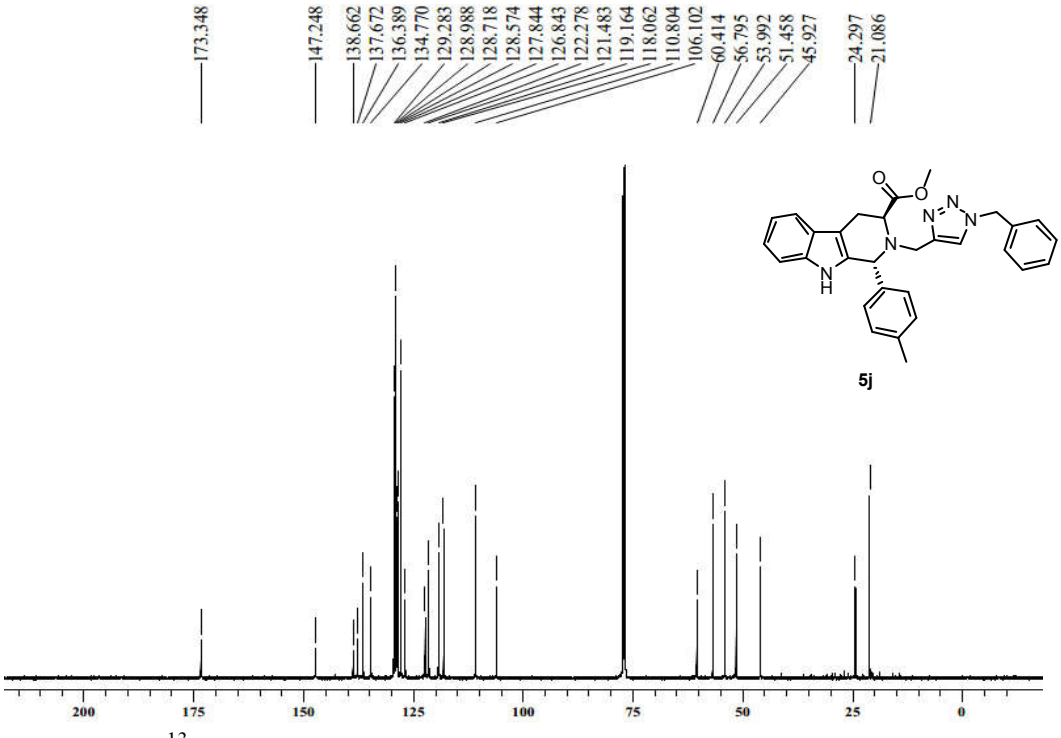
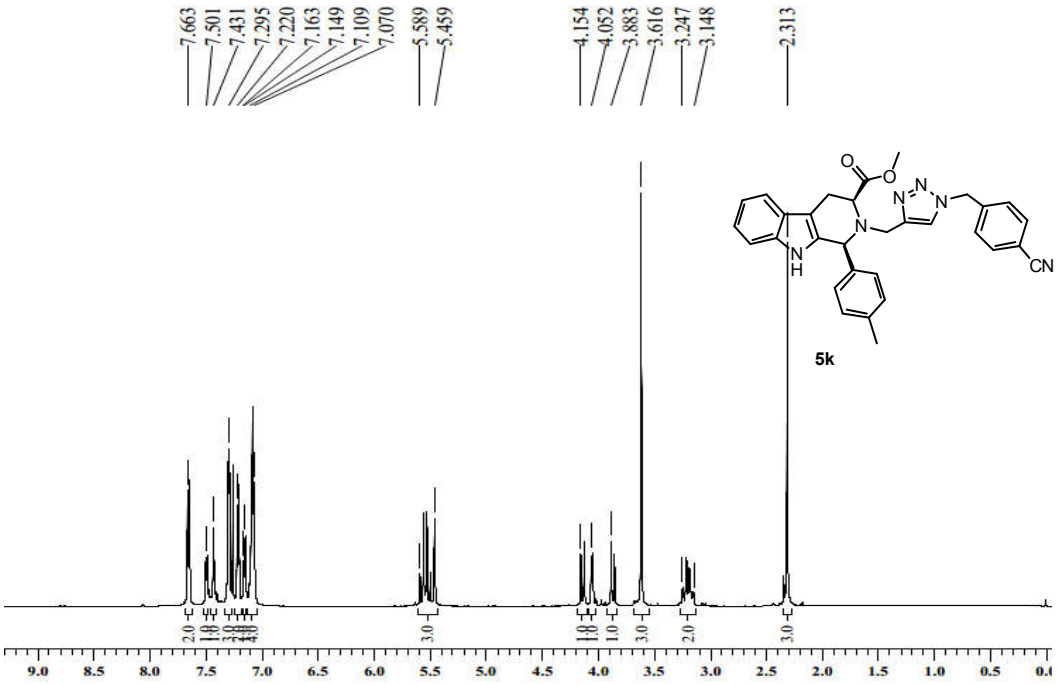



$^{13}$C NMR (125 MHz, $CDCl_3$) spectrum of compound **5j**

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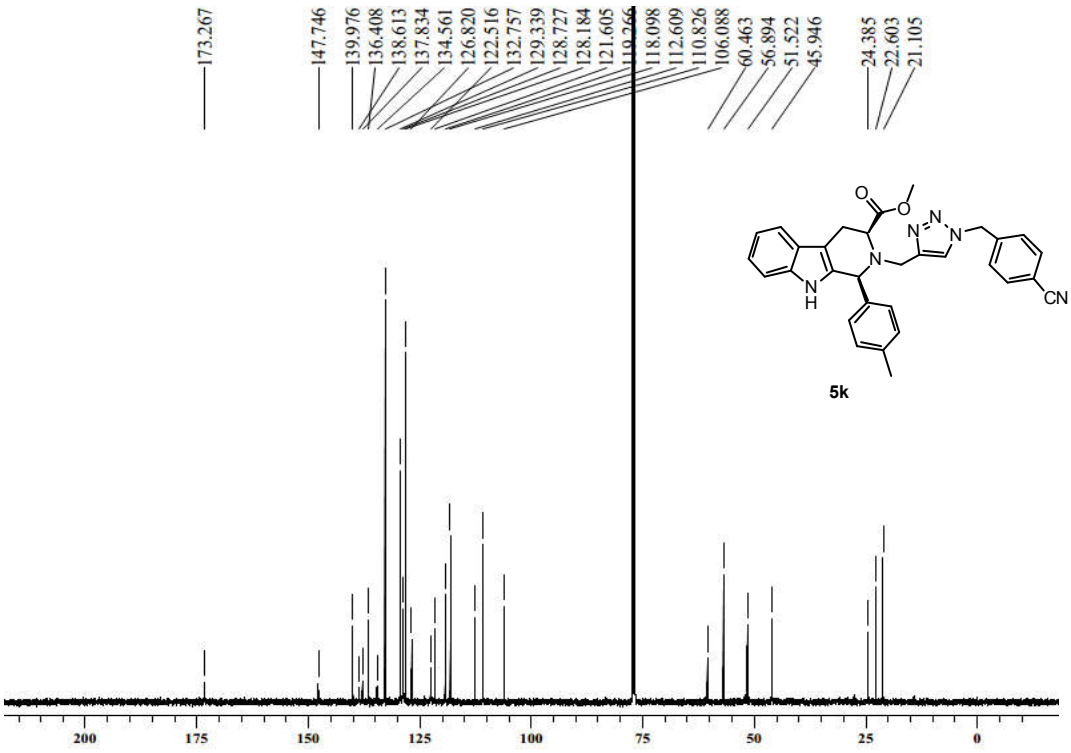
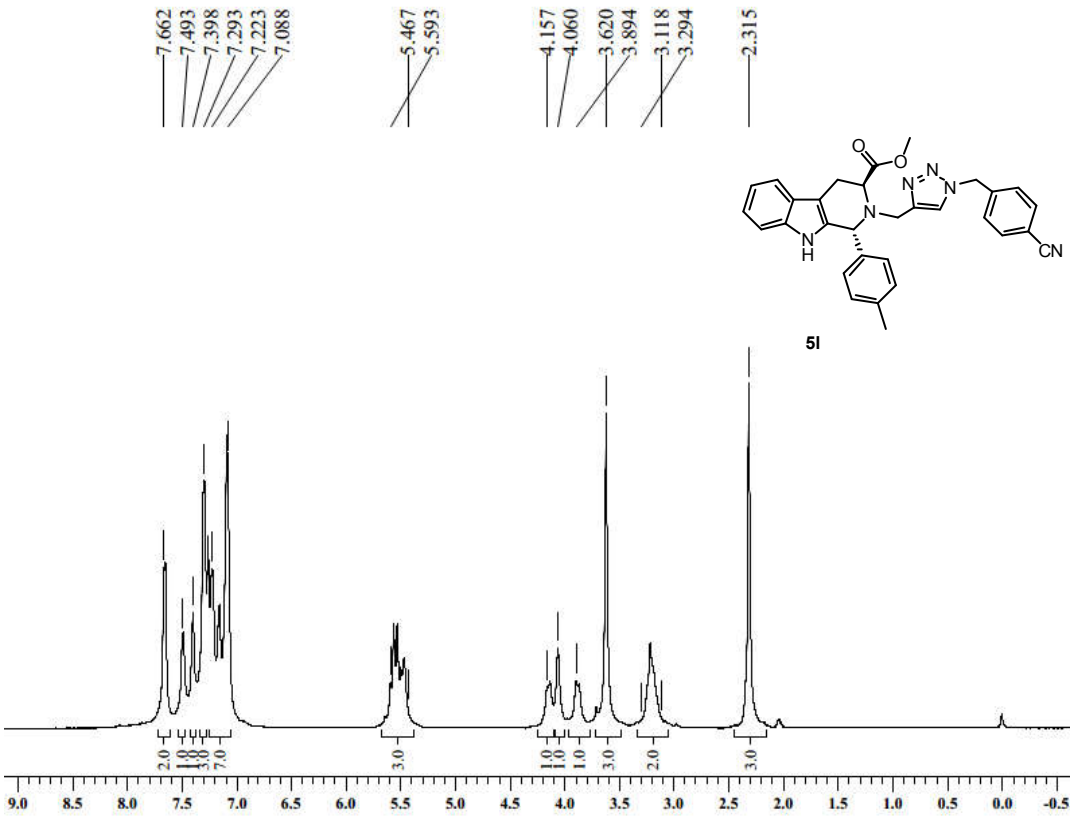
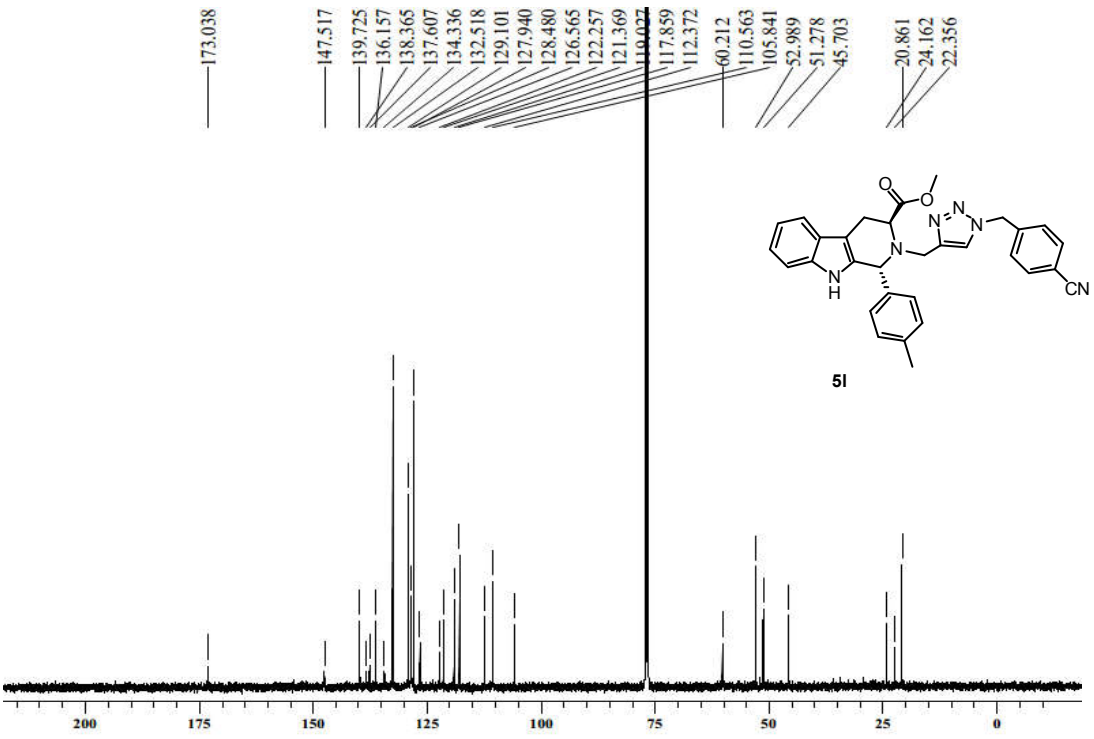


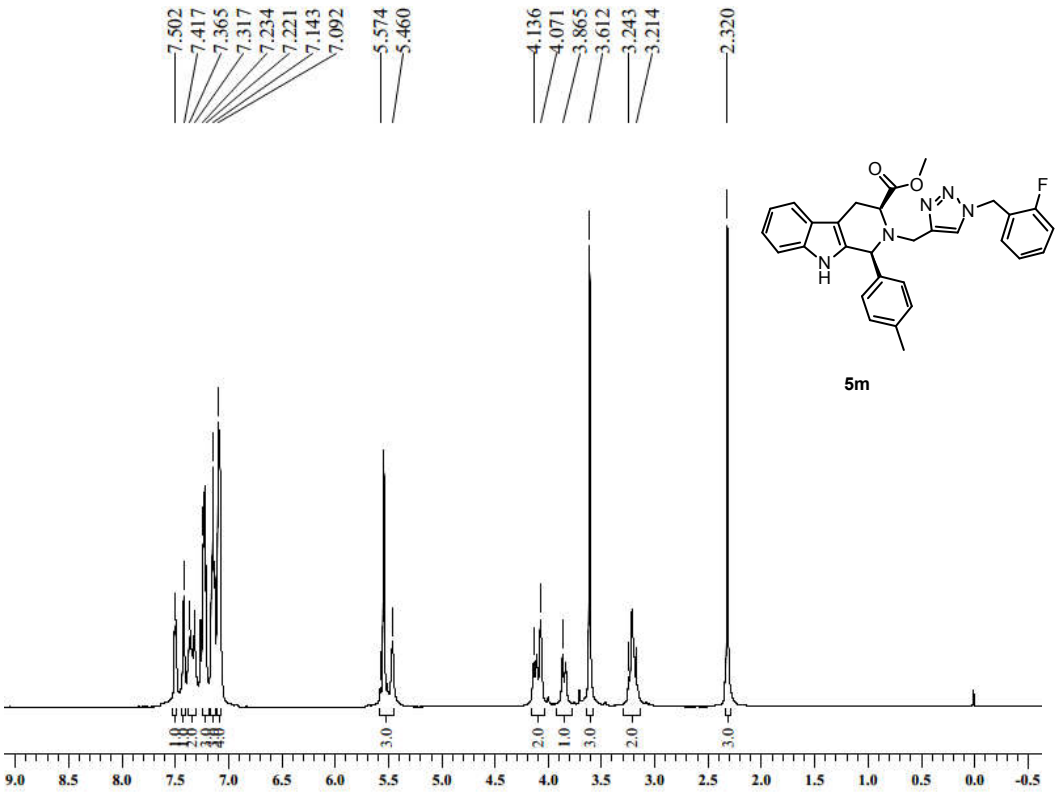

$^{13}$C NMR (125 MHz, $CDCl_3$) spectrum of compound **5k**



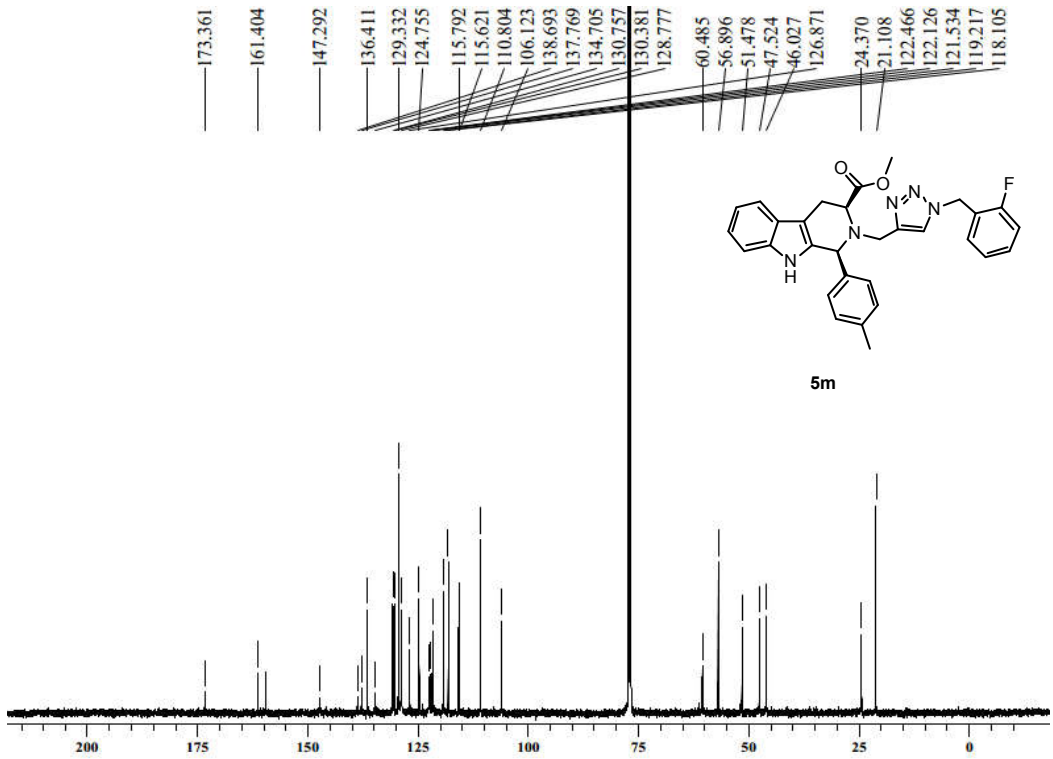

$^{1}$H NMR (500 MHz, $CDCl_3$) spectrum of compound **5l**



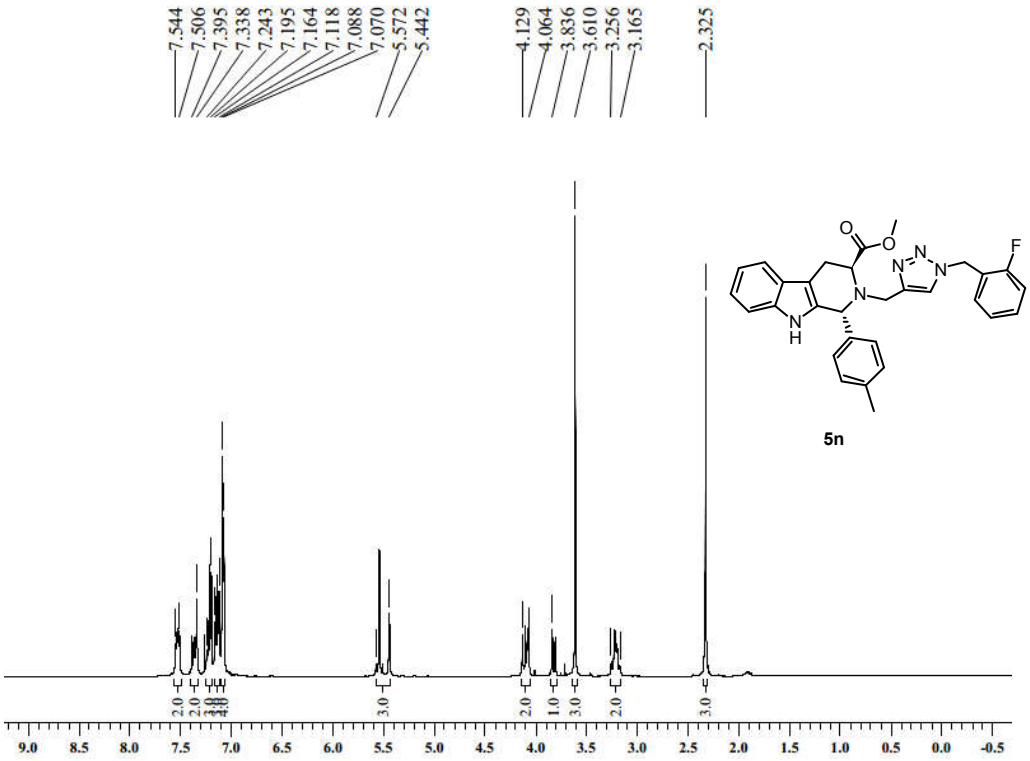

$^{13}$C NMR (125 MHz, $CDCl_3$) spectrum of compound **5l**



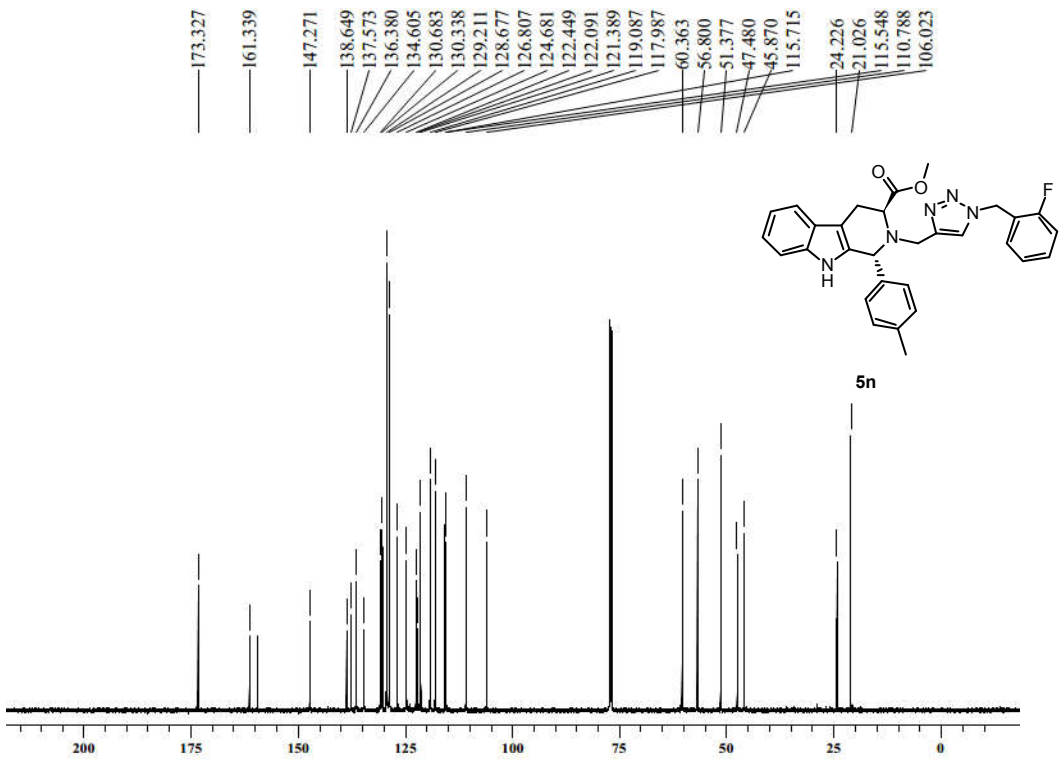

$^{1}$H NMR (500 MHz, $CDCl_3$) spectrum of compound **5m**



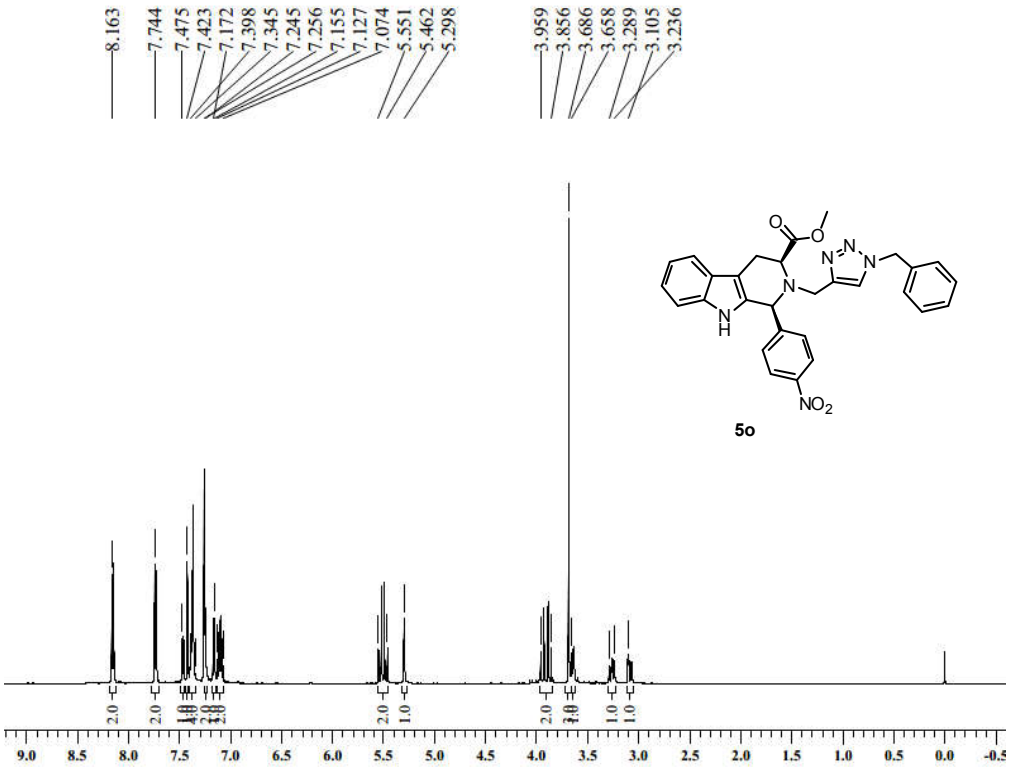

$^{13}$C NMR (125 MHz, $CDCl_3$) spectrum of compound **5m**



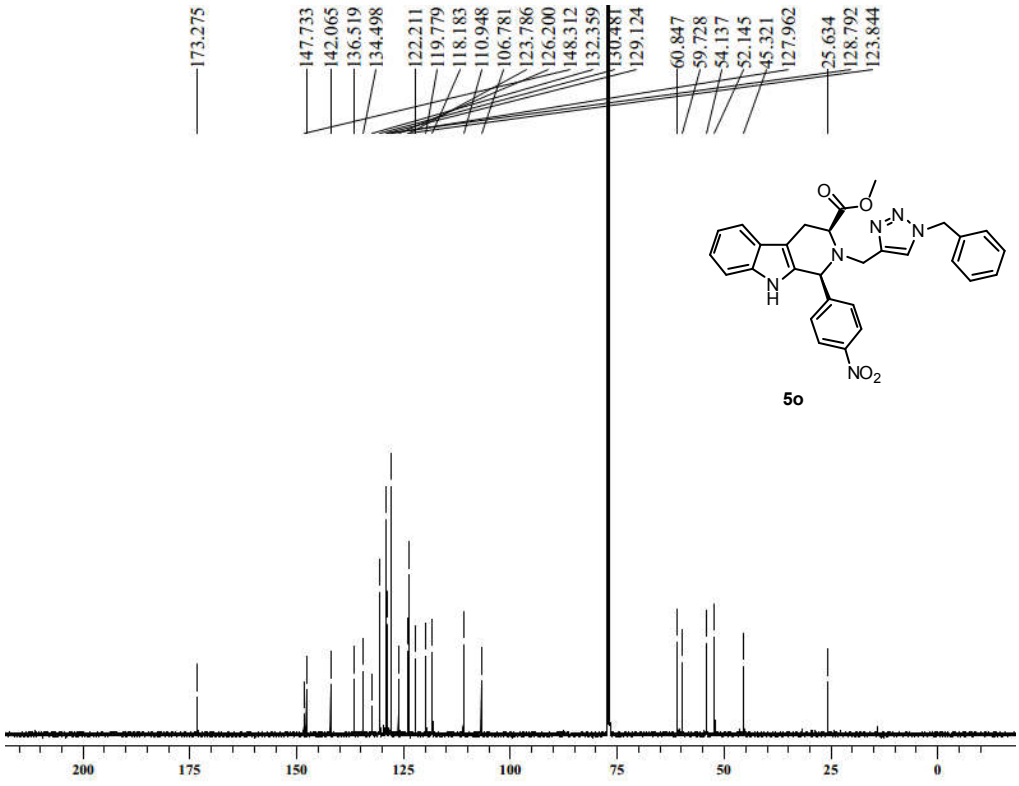

$^{1}$H NMR (500 MHz, $CDCl_3$) spectrum of compound **5n**



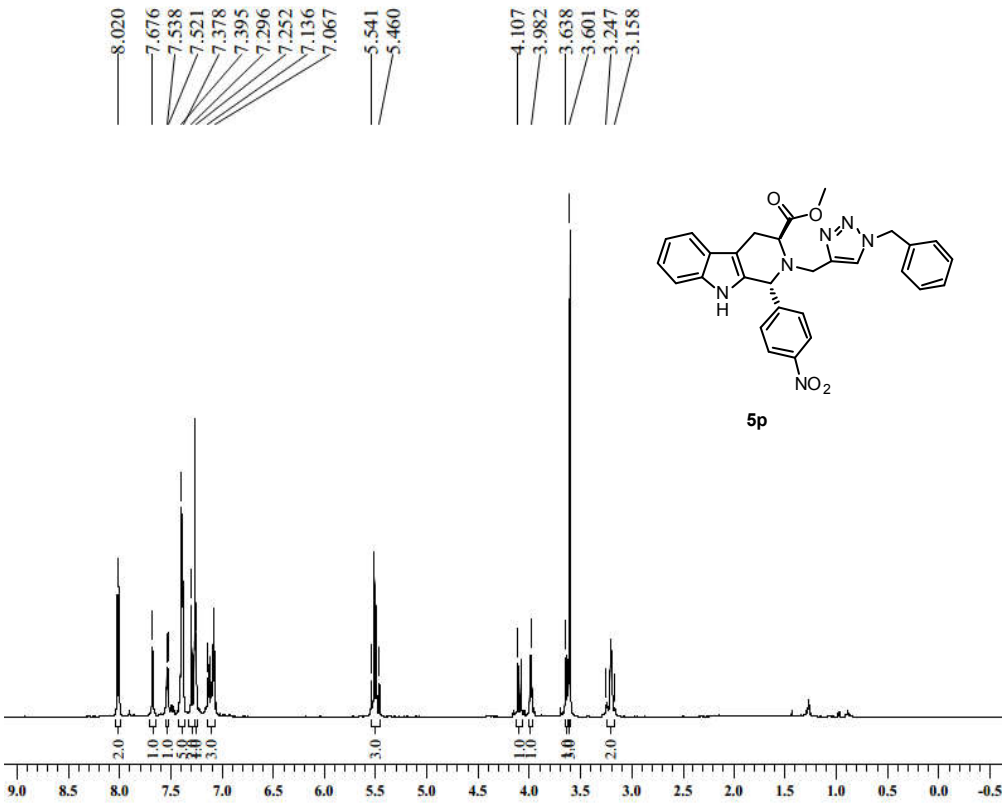

$^{13}$C NMR (125 MHz, $CDCl_3$) spectrum of compound **5n**



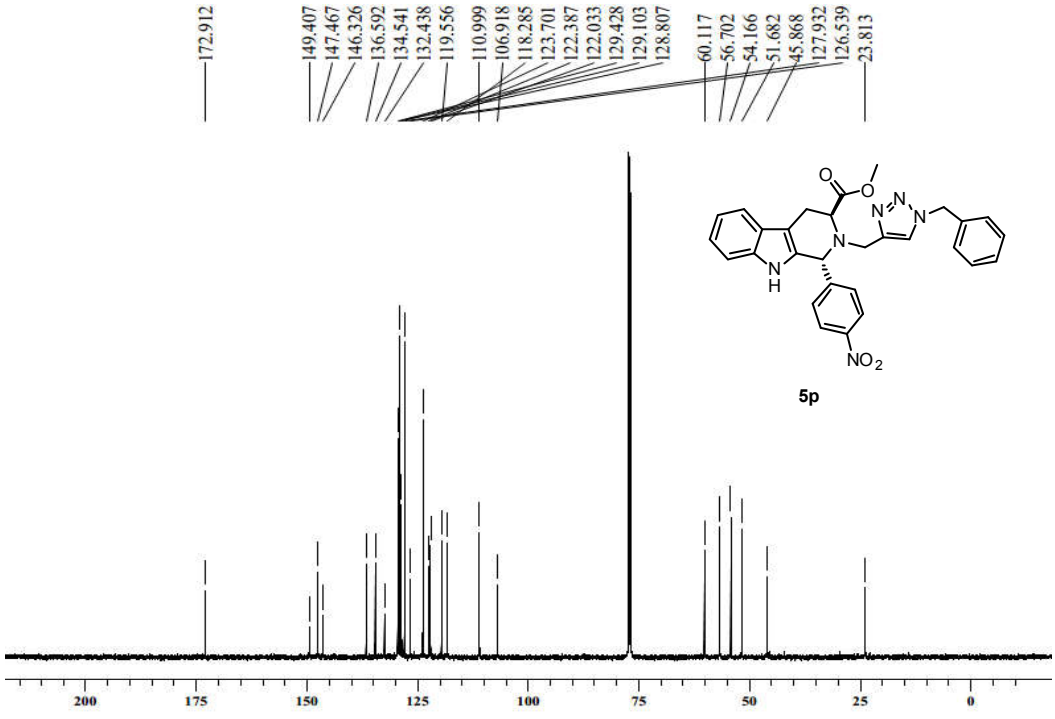

$^{1}$H NMR (500 MHz, $CDCl_3$) spectrum of compound **5o**



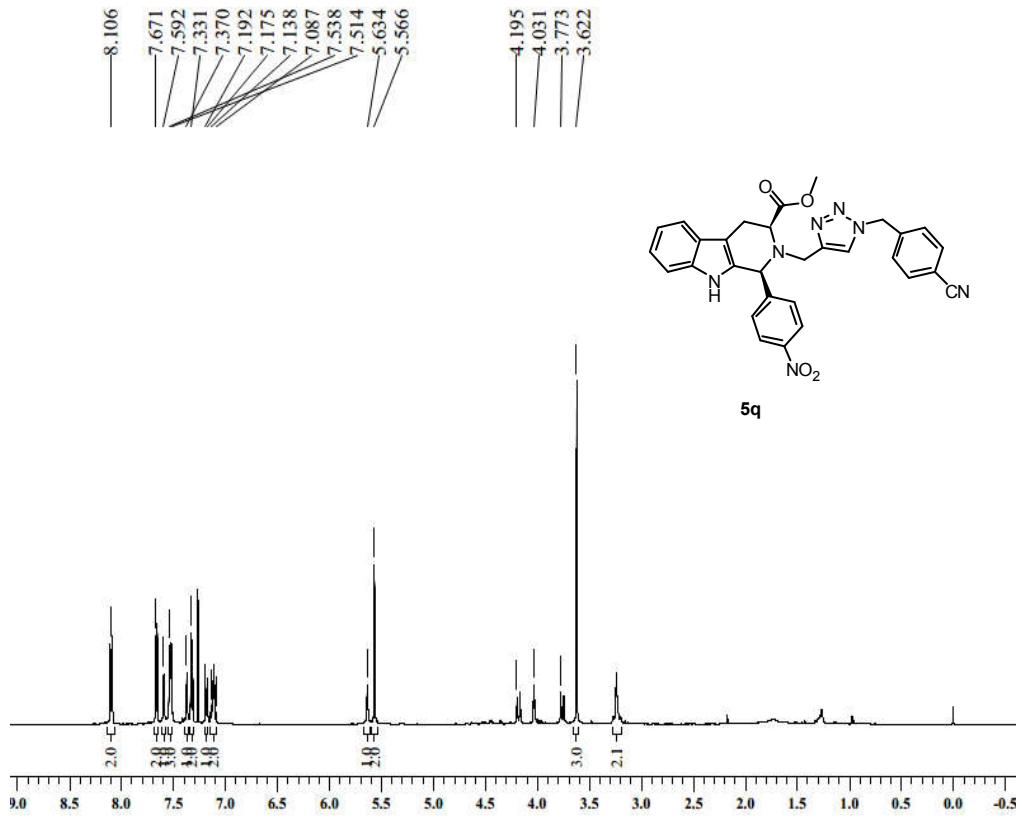

$^{13}$C NMR (125 MHz, $CDCl_3$) spectrum of compound **5o**



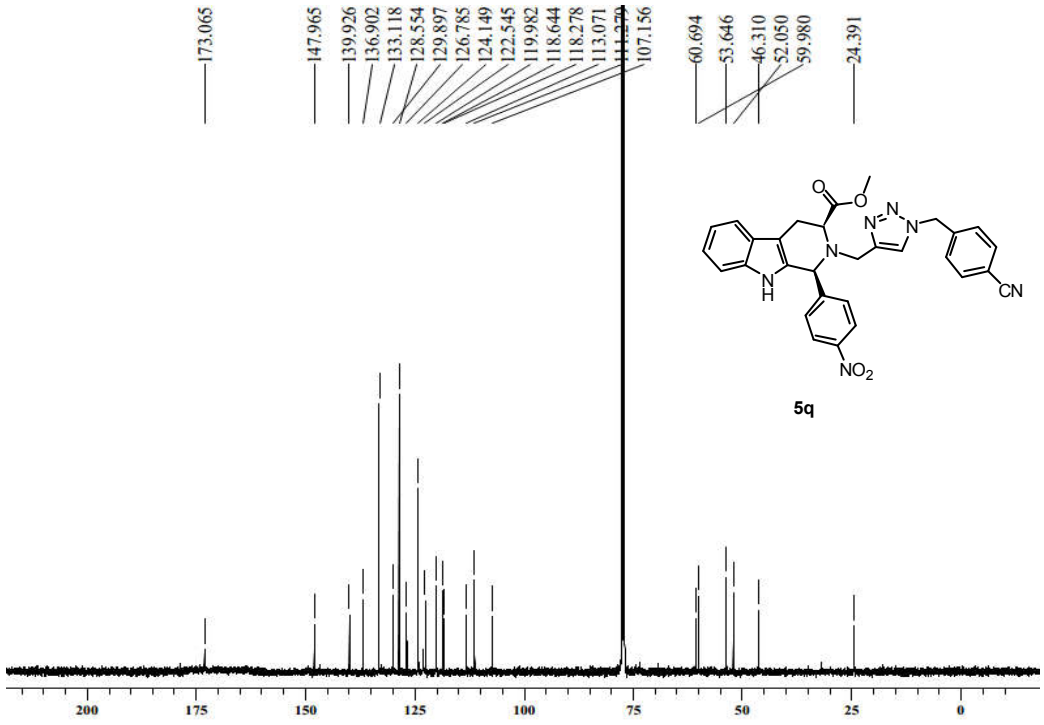

$^{1}$H NMR (500 MHz, $CDCl_3$) spectrum of compound **5p**



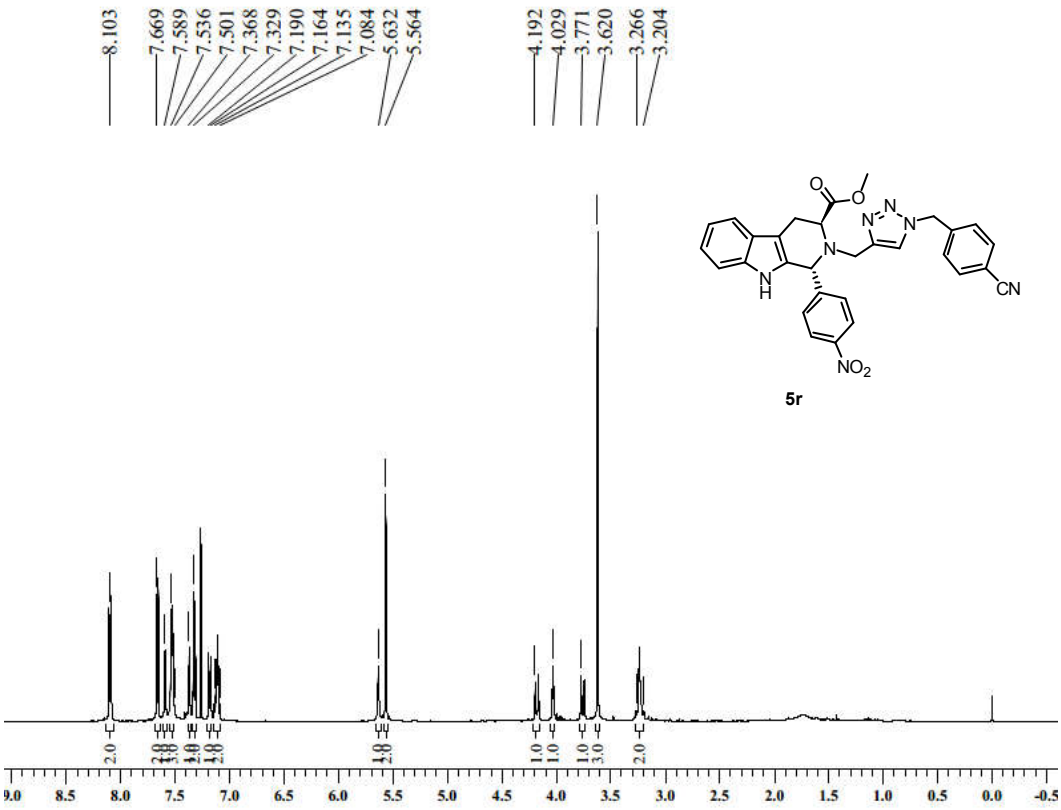

$^{13}$C NMR (125 MHz, $CDCl_3$) spectrum of compound **5p**



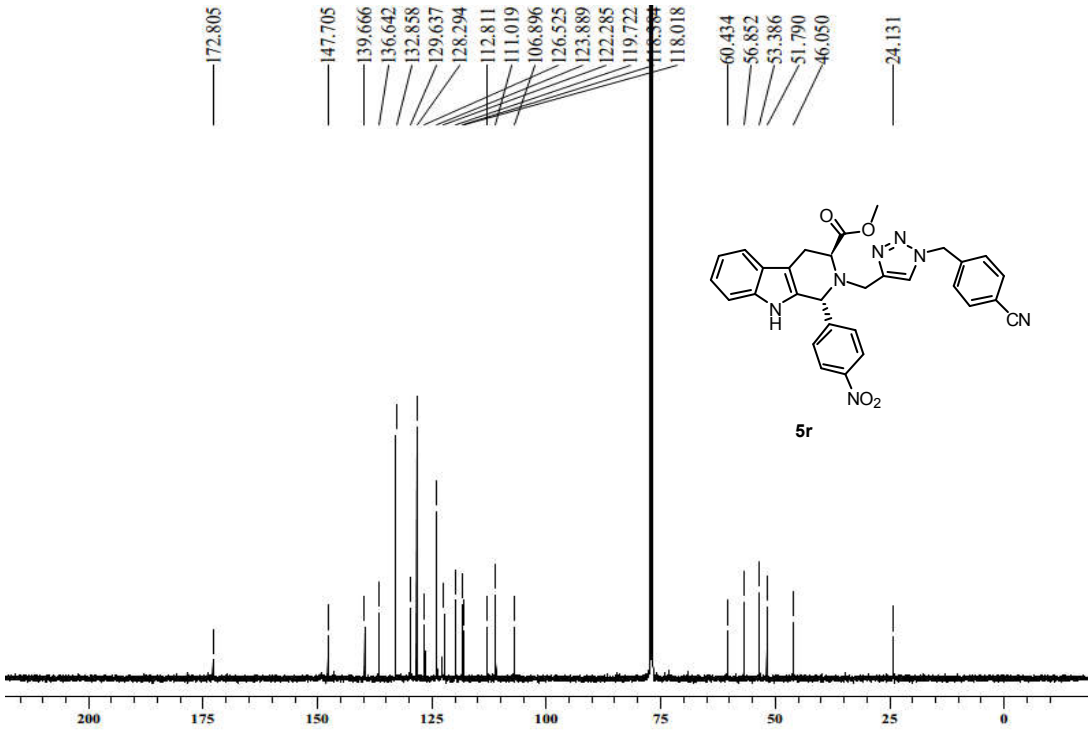

$^{1}$H NMR (500 MHz, $CDCl_3$) spectrum of compound **5q**



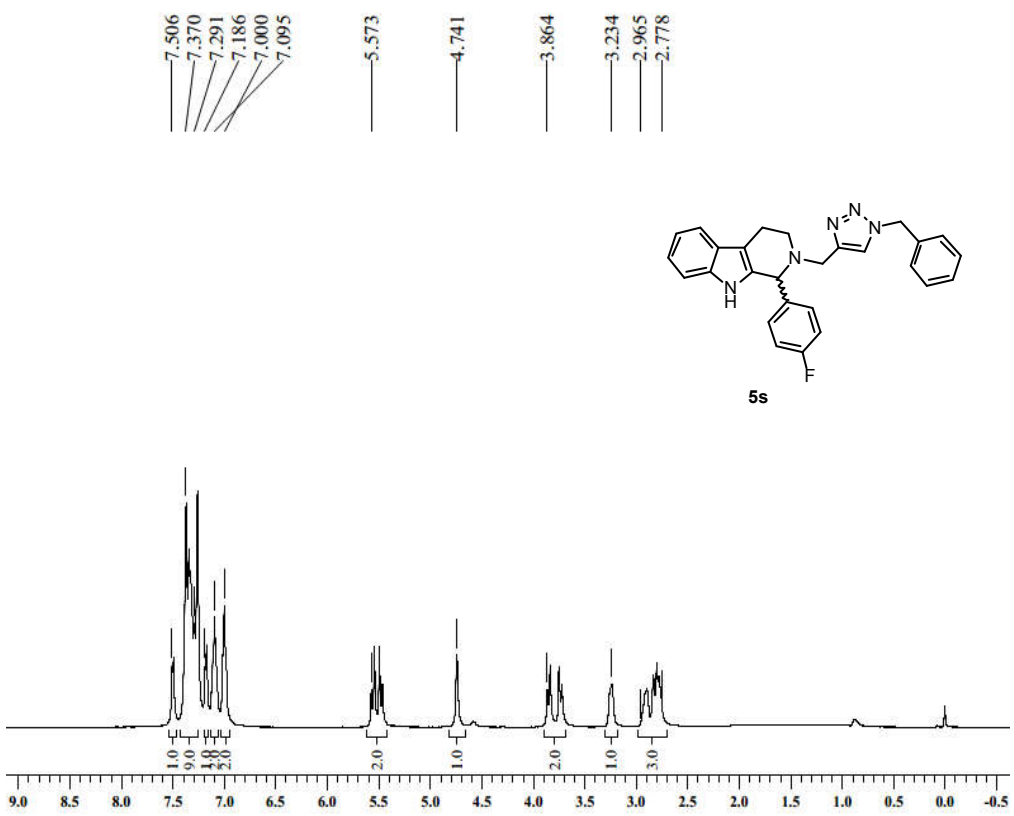

$^{13}$C NMR (125 MHz, $CDCl_3$) spectrum of compound **5q**



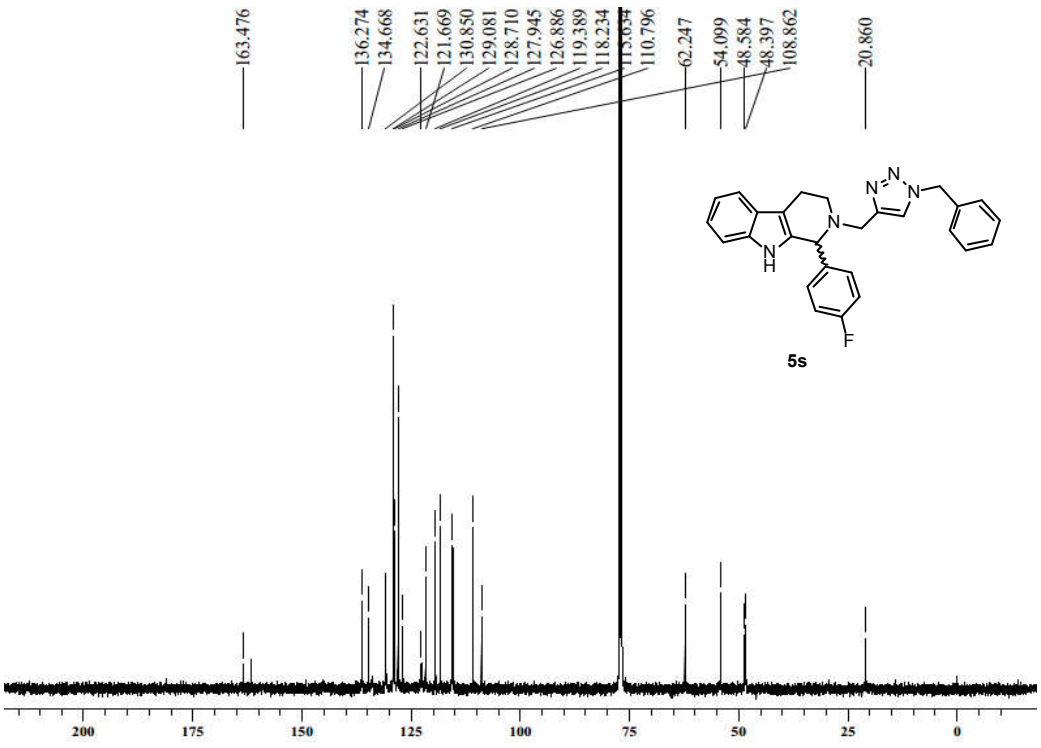

$^{1}$H NMR (500 MHz, $CDCl_3$) spectrum of compound **5r**



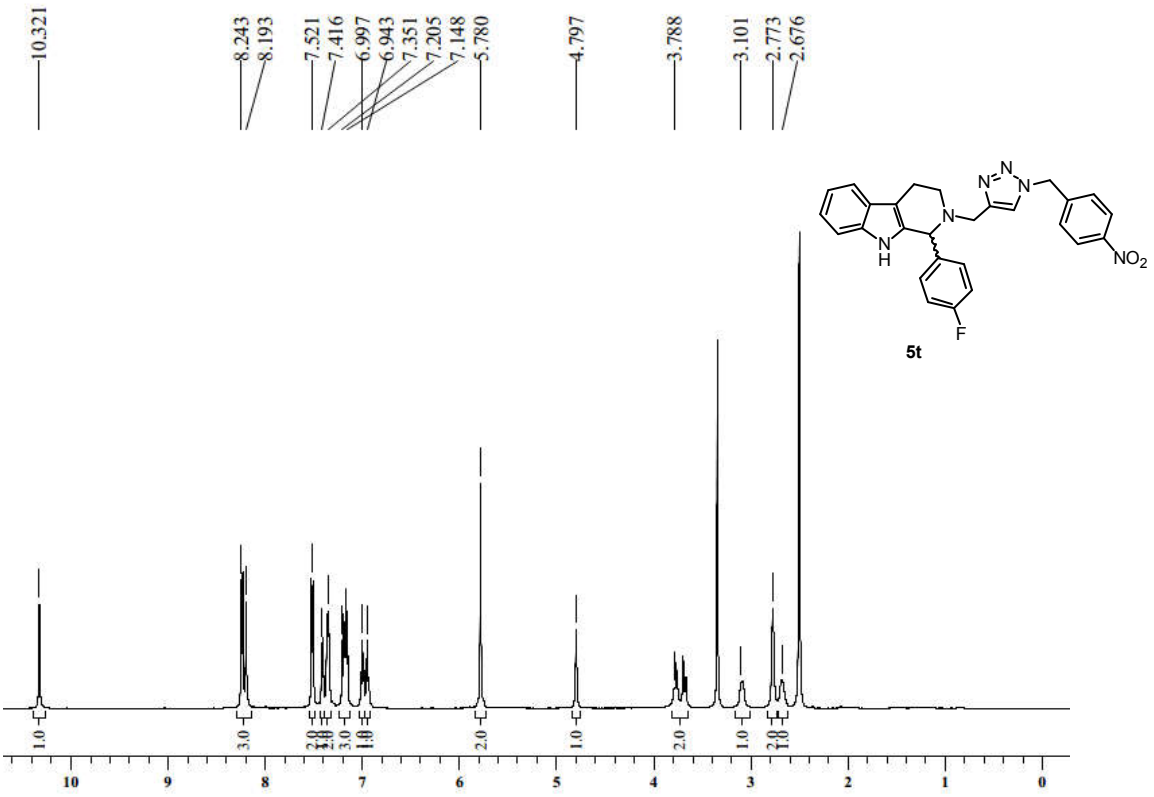

$^{13}$C NMR (125 MHz, $CDCl_3$) spectrum of compound **5r**



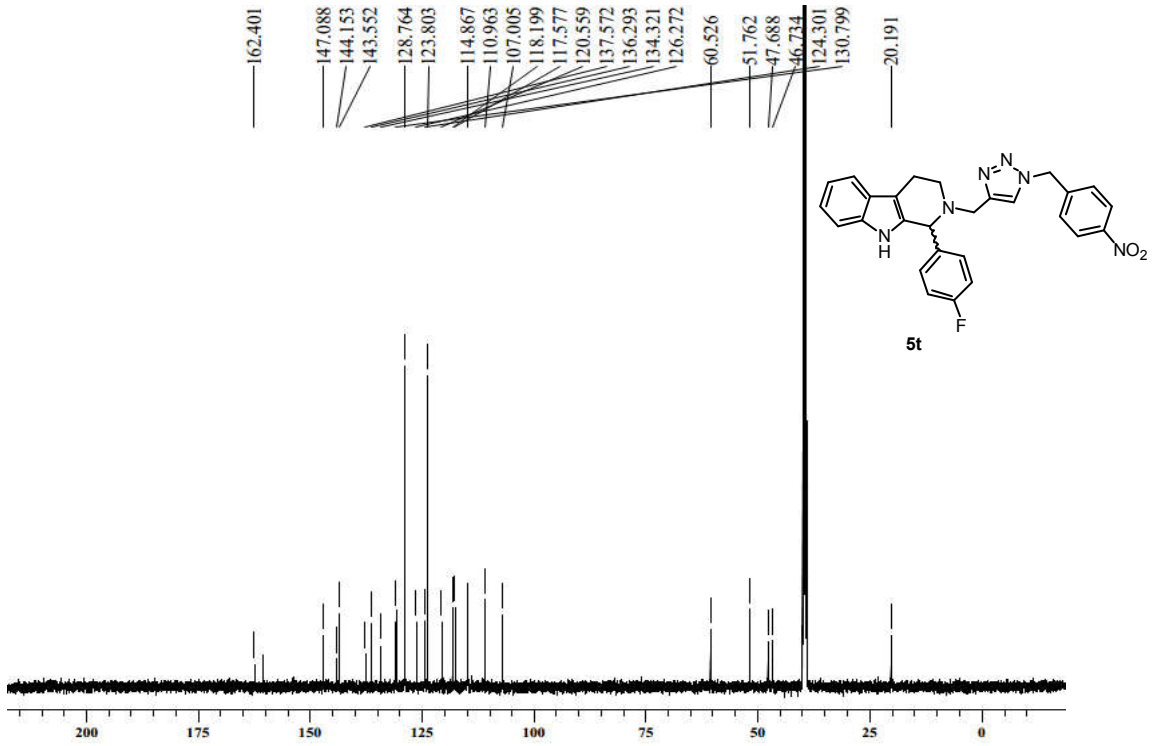

$^{1}$H NMR (500 MHz, $CDCl_3$) spectrum of compound **5s**




$^{13}$C NMR (125 MHz, $CDCl_3$) spectrum of compound **5s**




$^{1}$H NMR (500 MHz, DMSO-$d_6$) spectrum of compound **5t**




$^{13}$C NMR (125 MHz, DMSO-$d_6$) spectrum of compound **5t**