

Naamines and Naamidines as Novel Agents against a Plant Virus and Phytopathogenic Fungi

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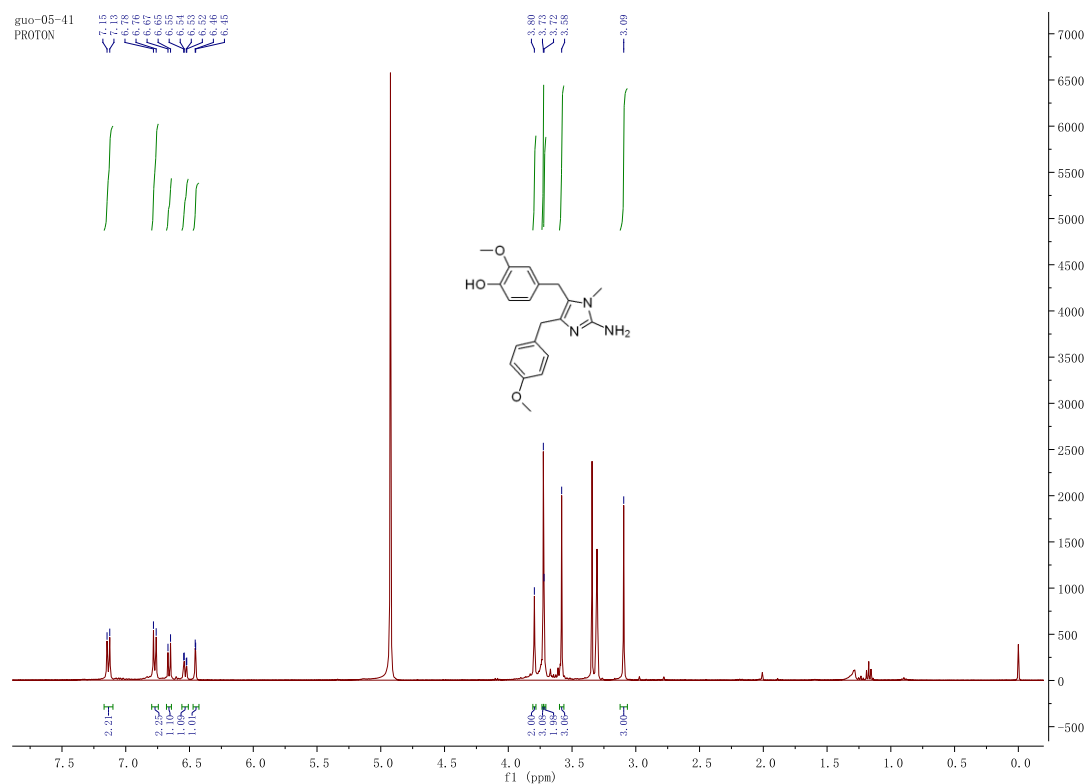
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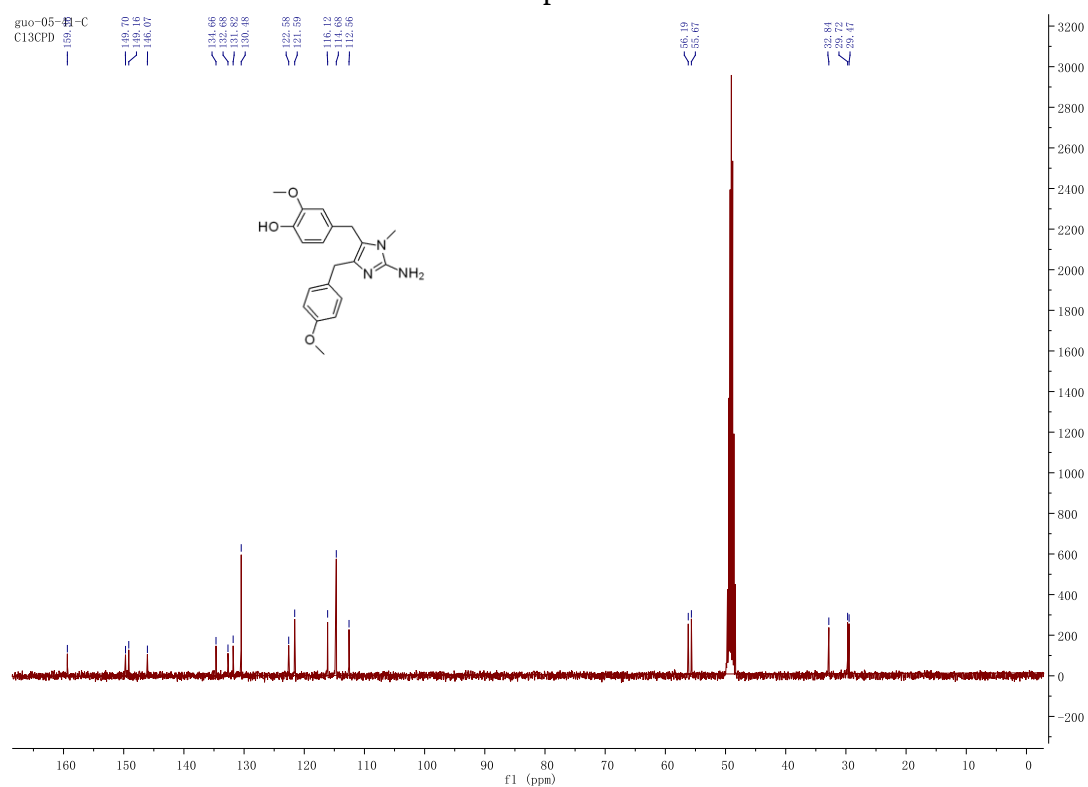
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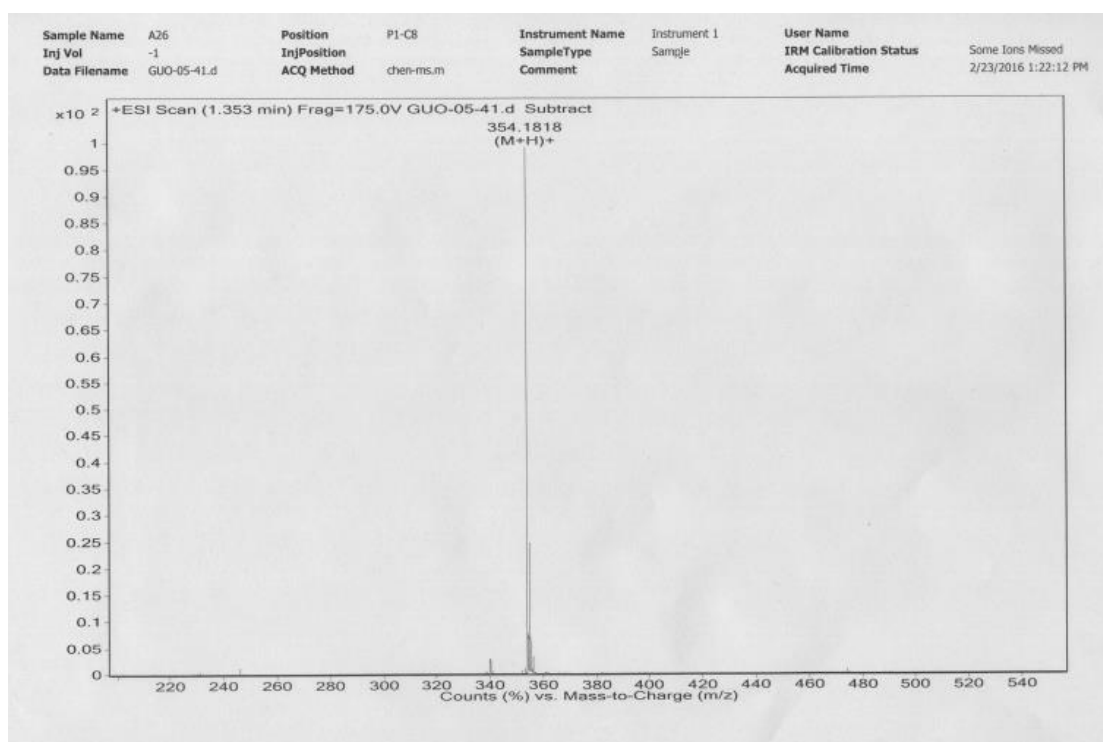
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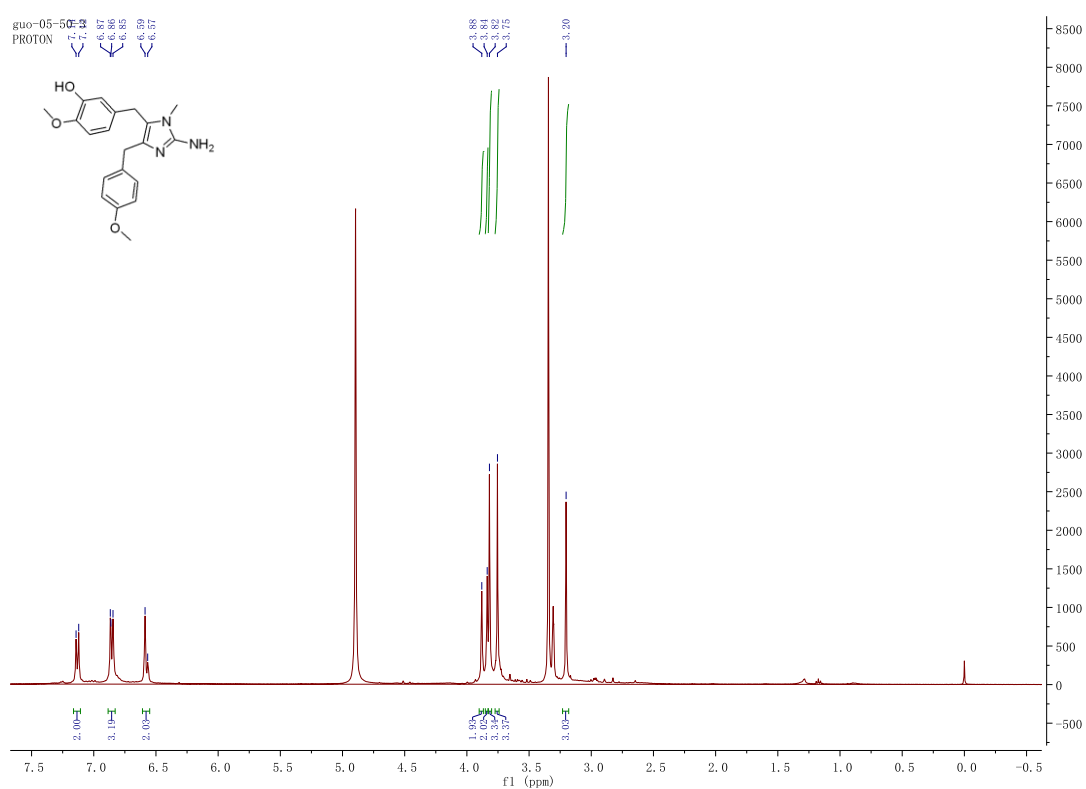
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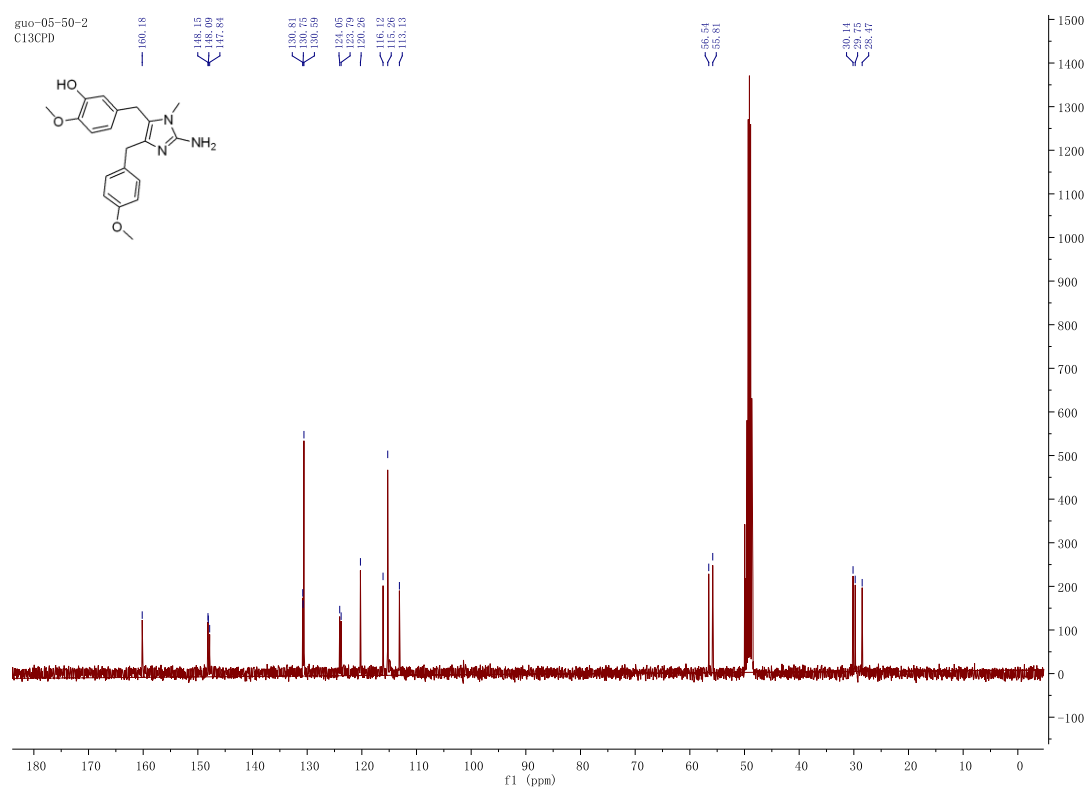
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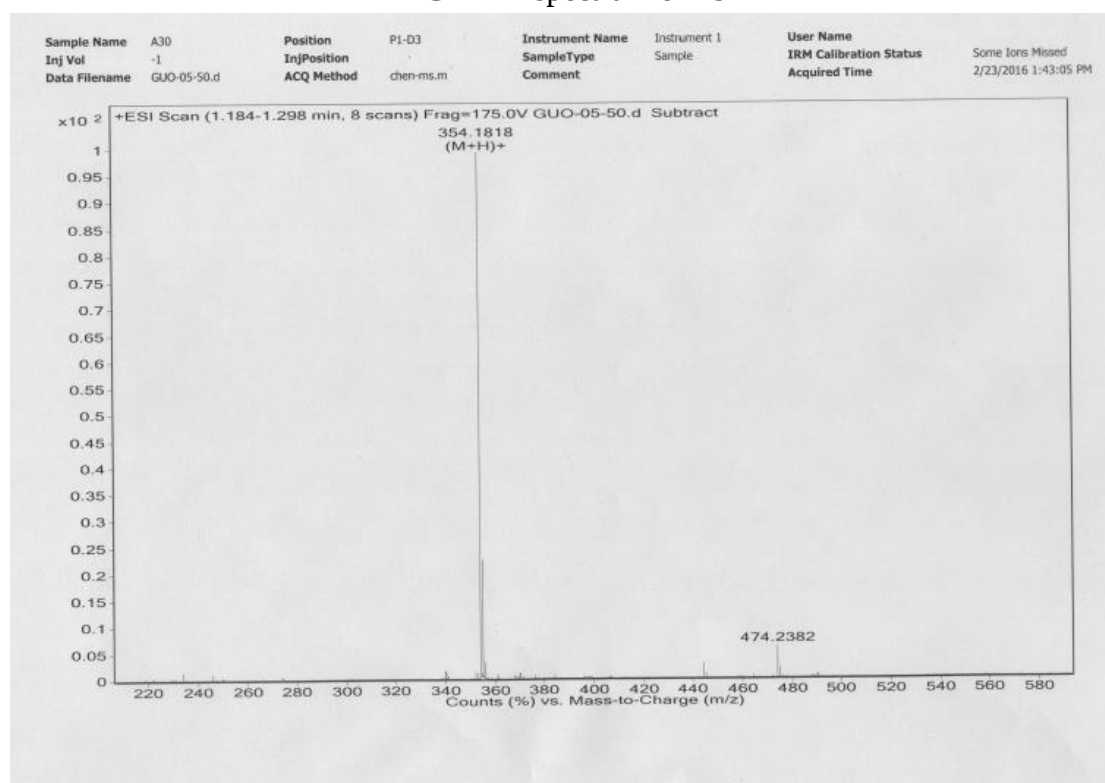
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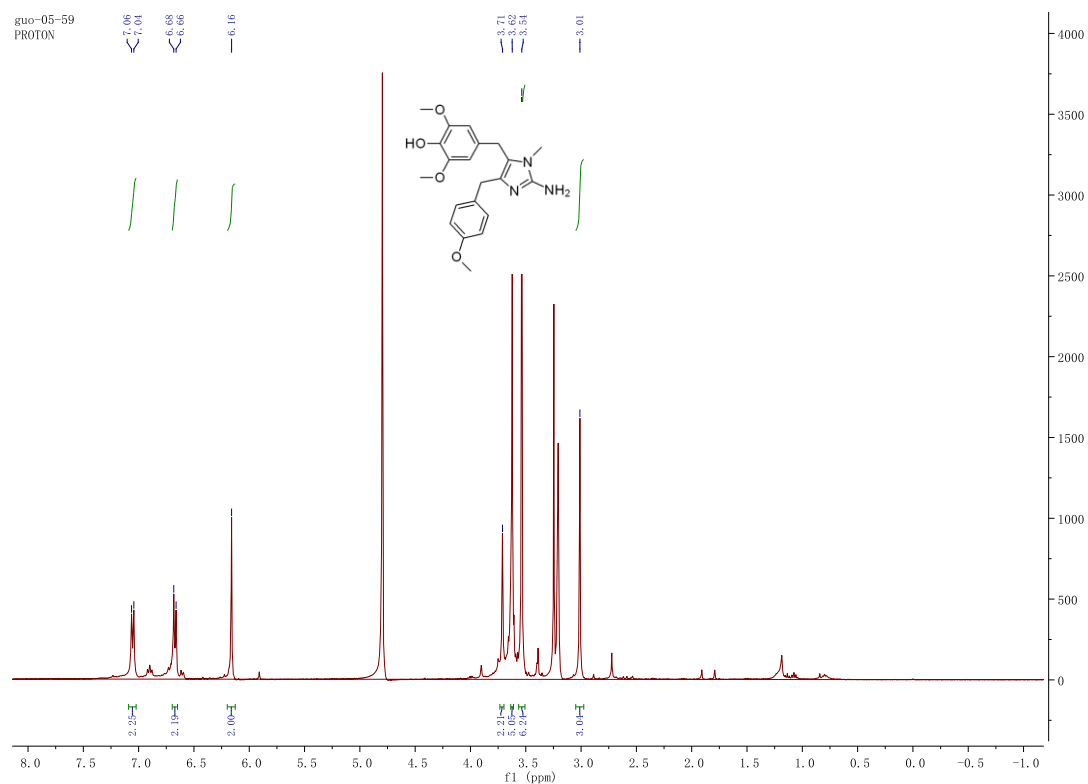
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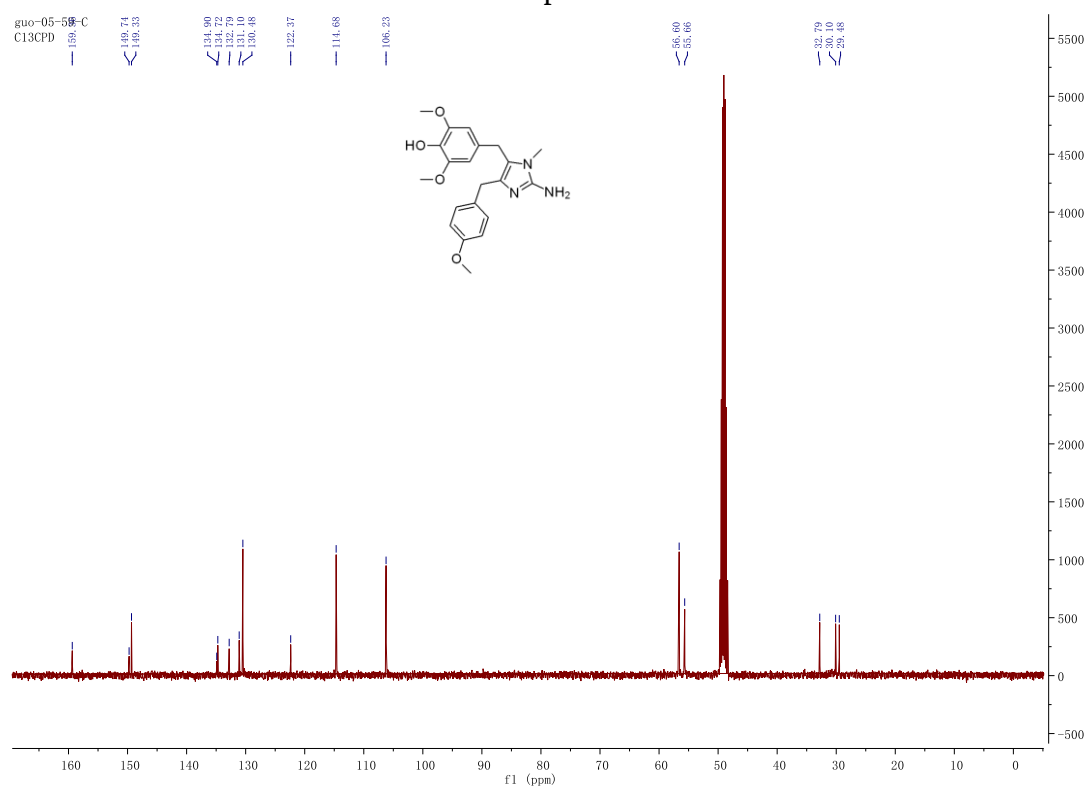
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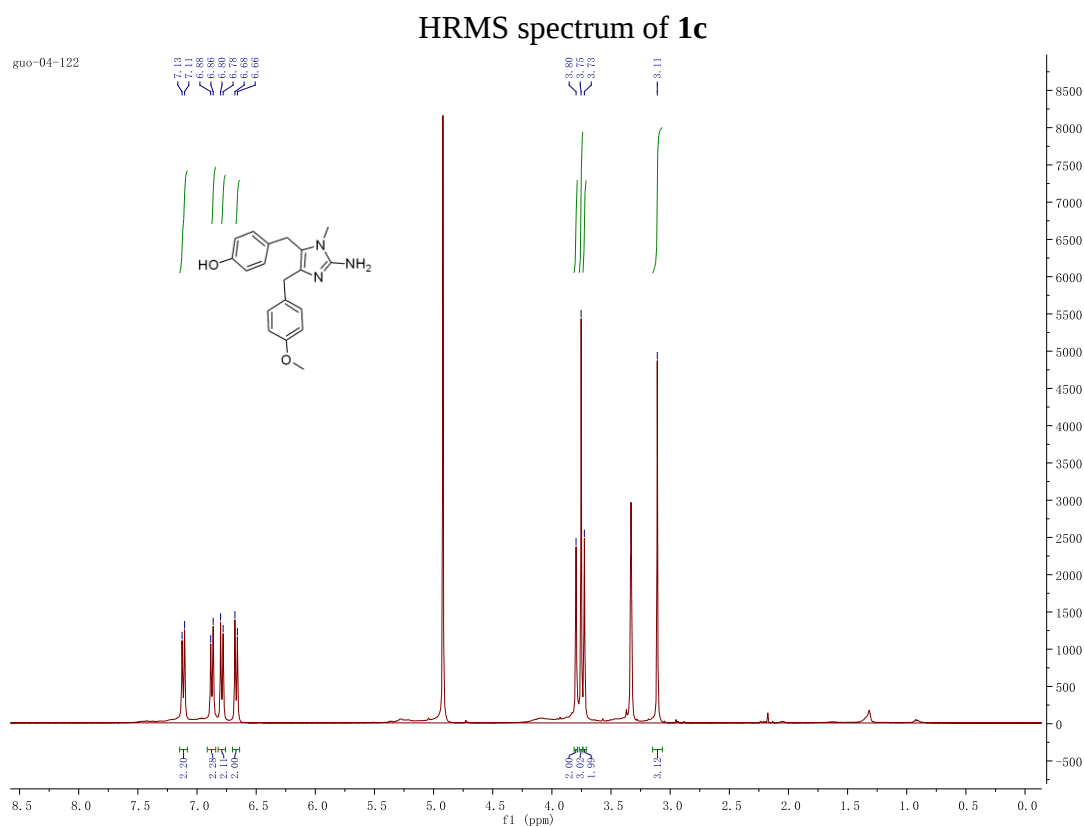
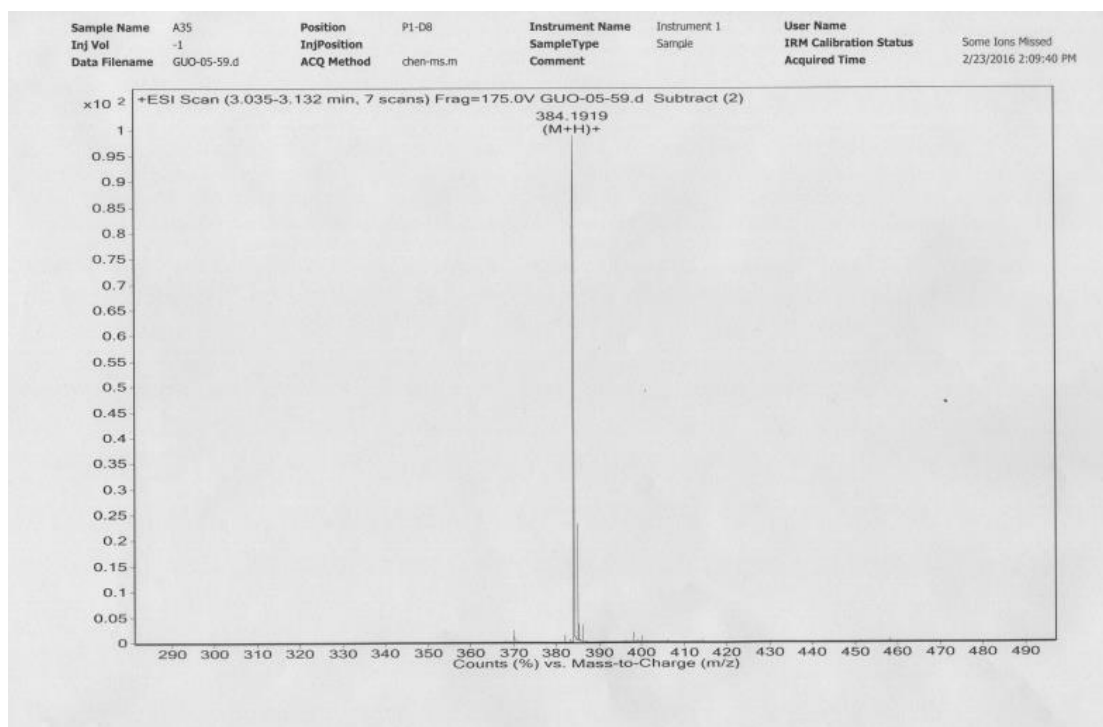
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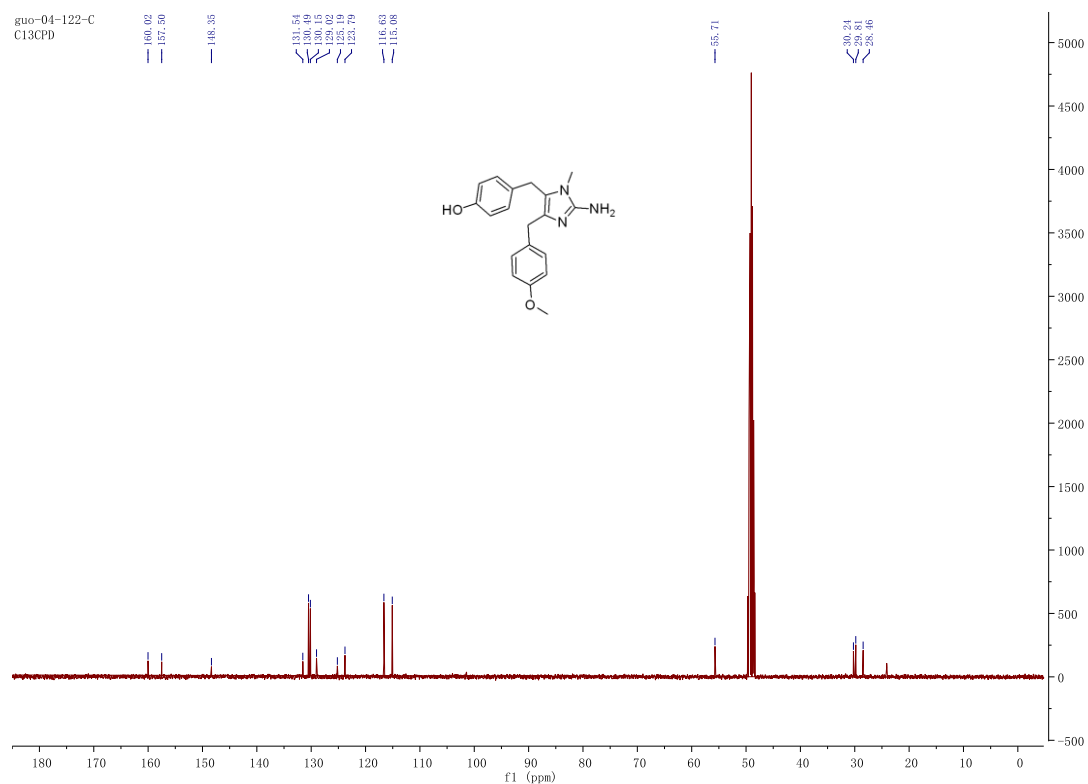


¹H NMR spectrum of 1c



¹³C NMR spectrum of 1c

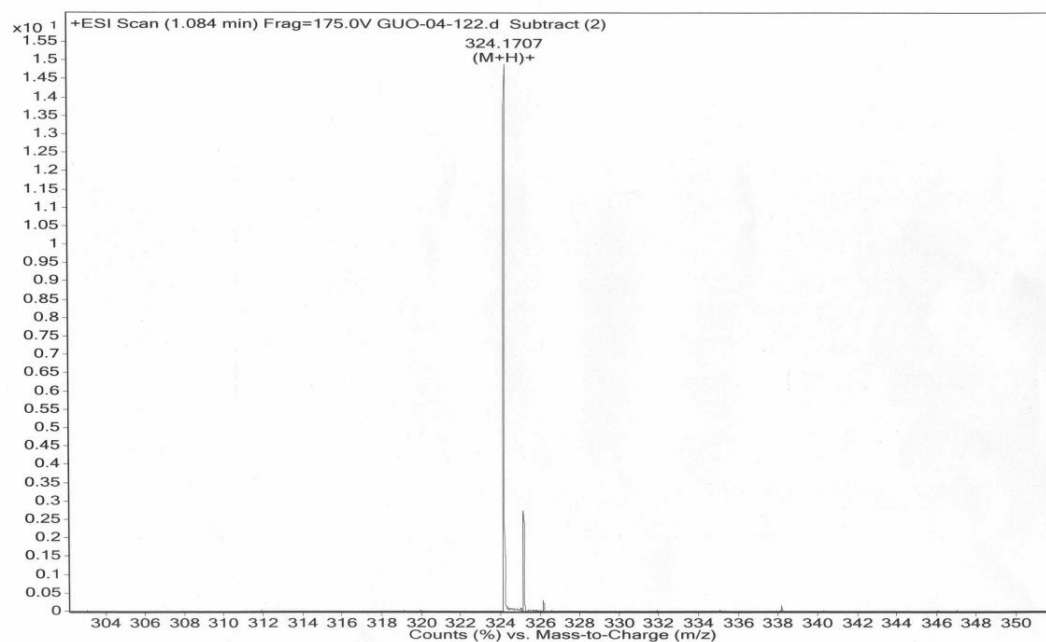




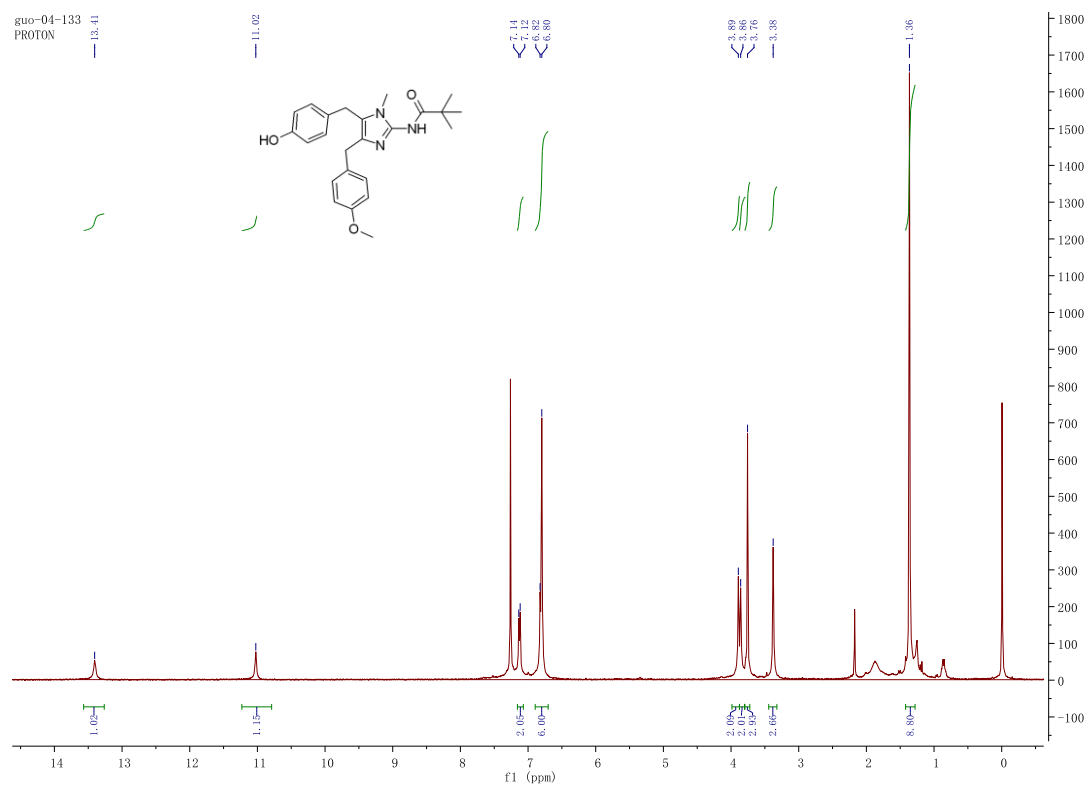
^{13}C NMR spectrum of **1d**

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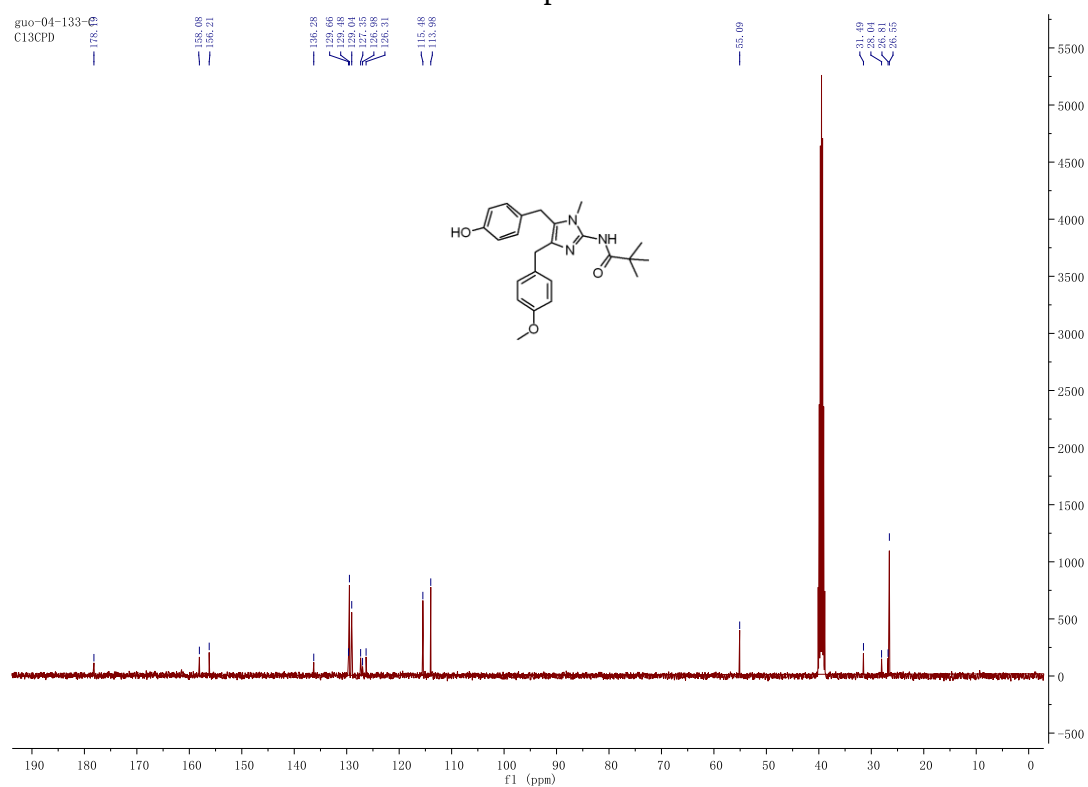
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HRMS spectrum of **1d**

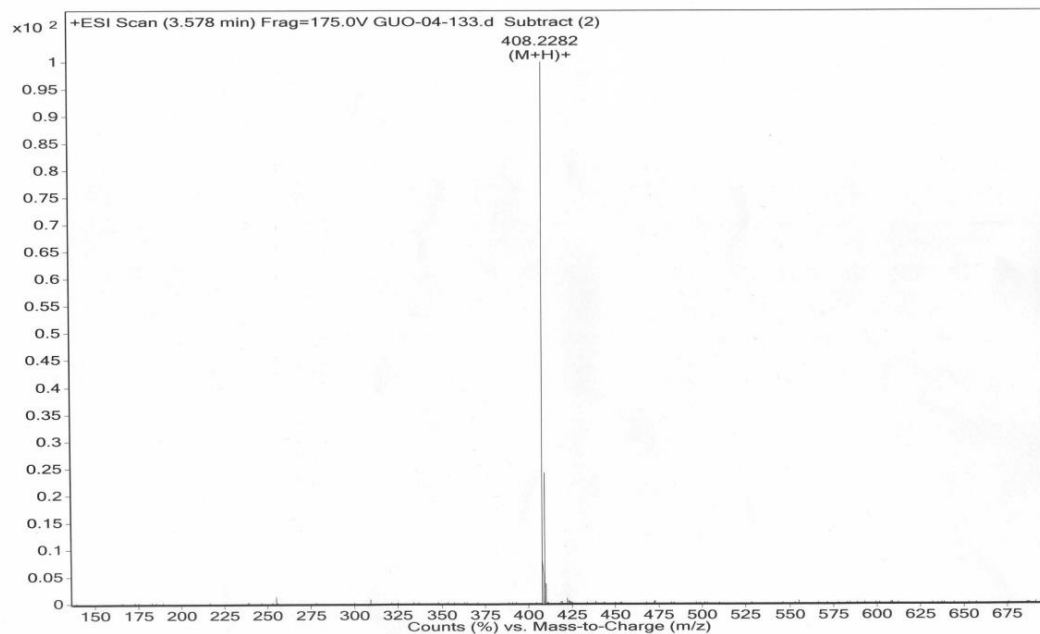


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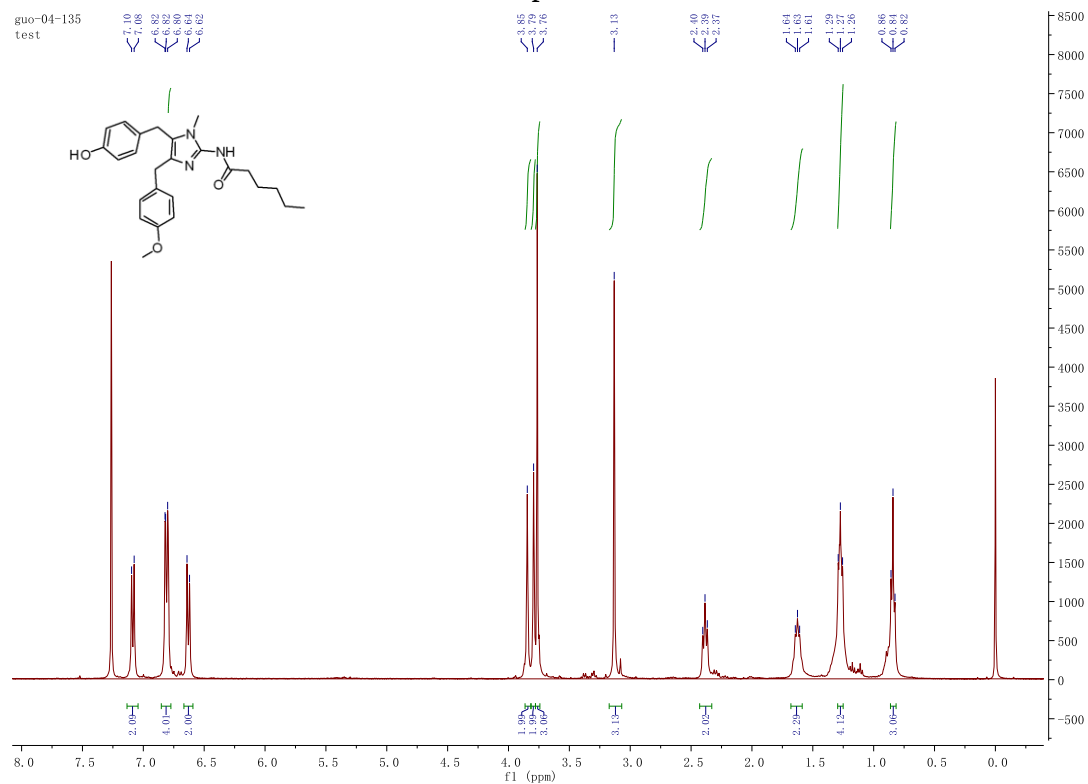


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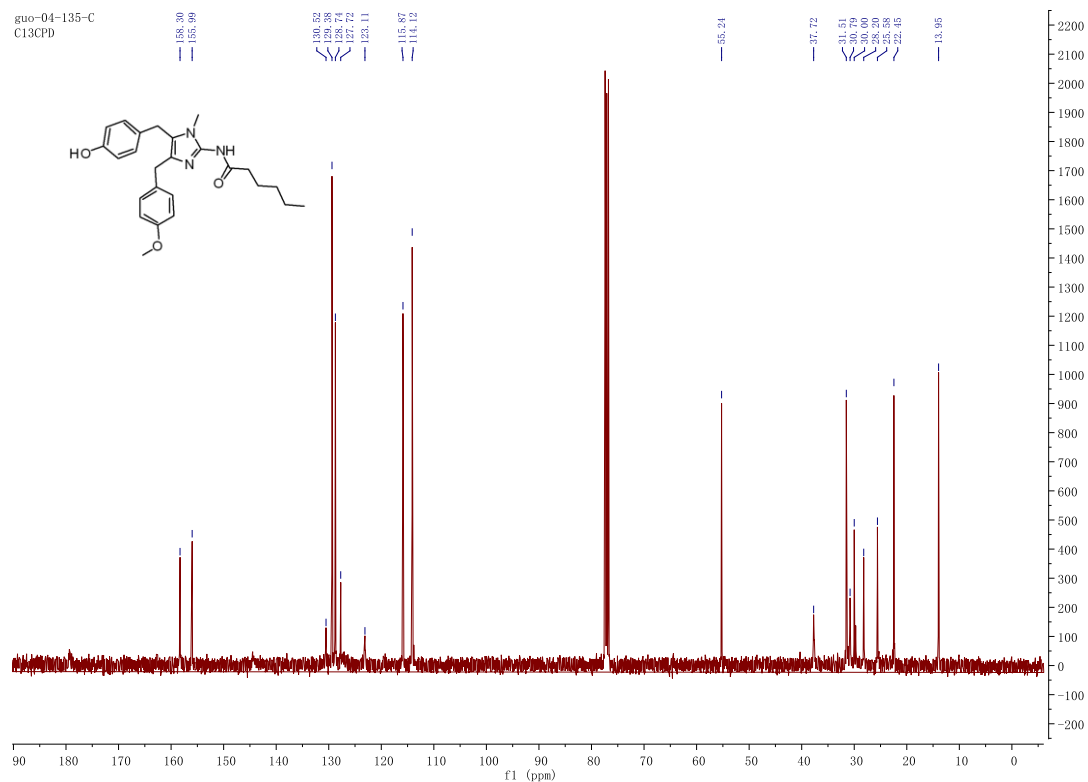
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HRMS spectrum of **1e**

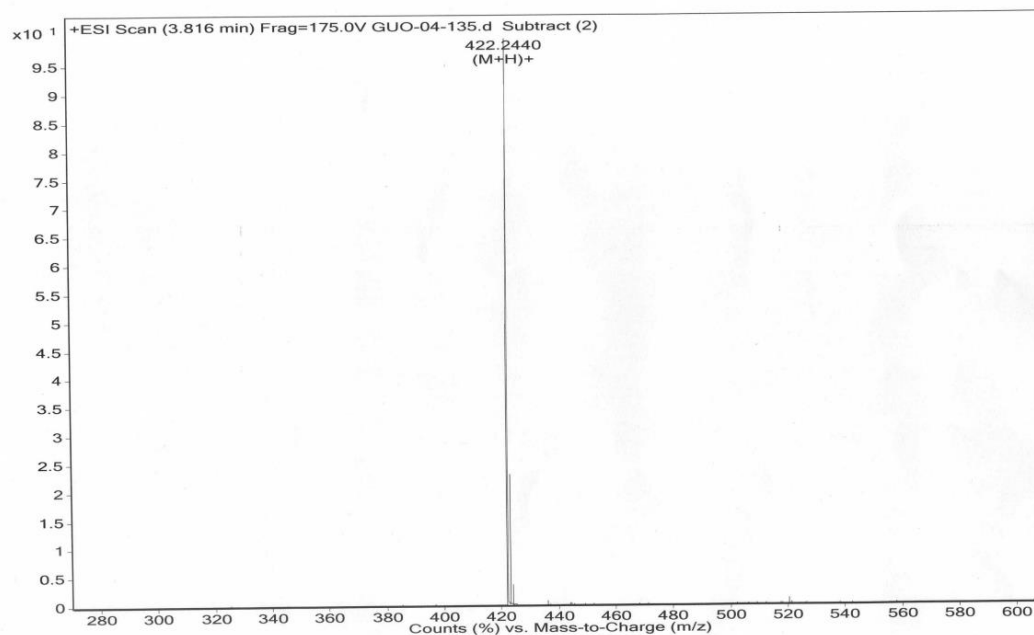


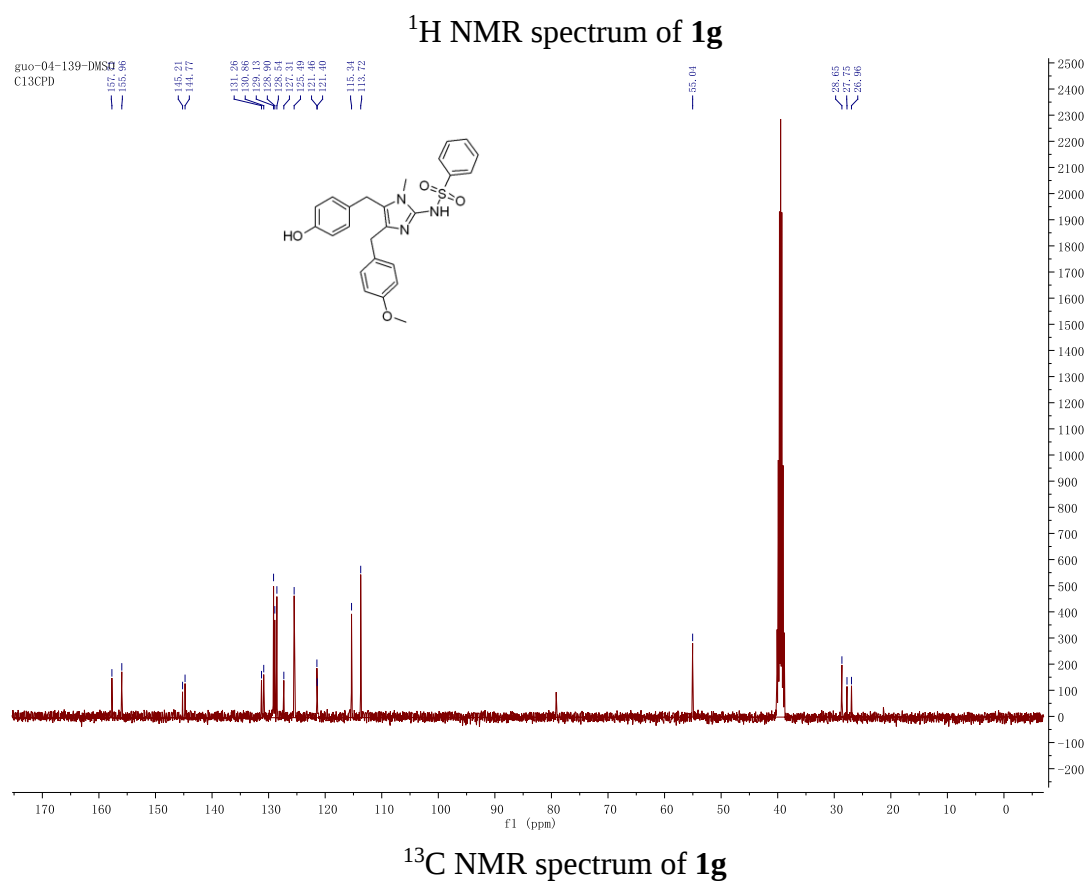
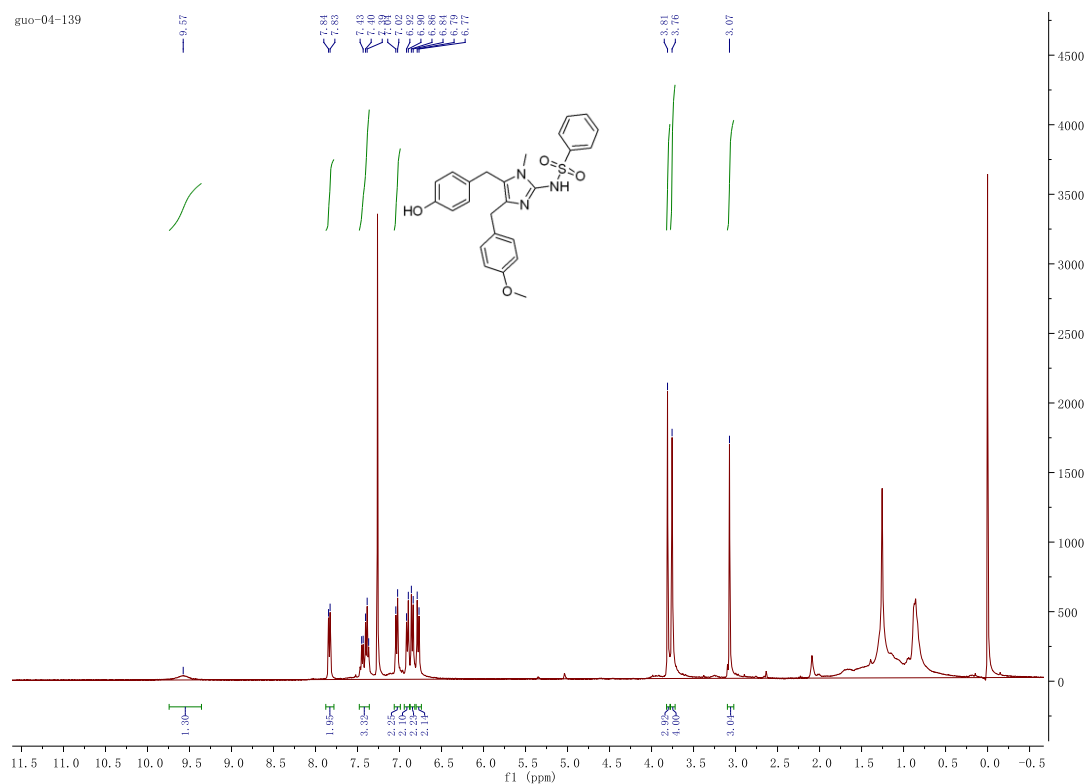
¹H NMR spectrum of **1f**



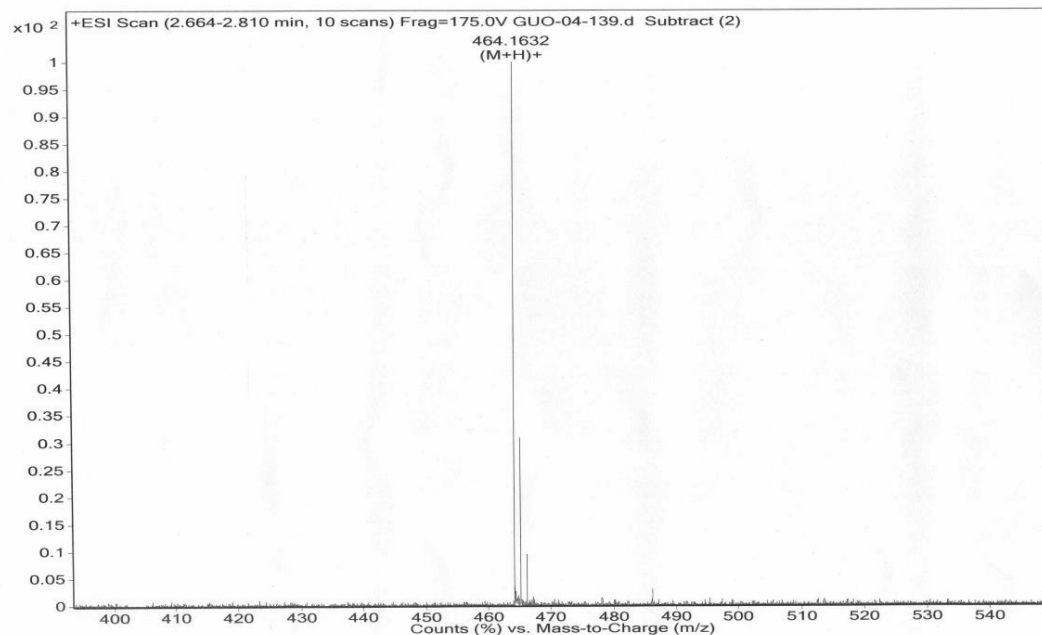
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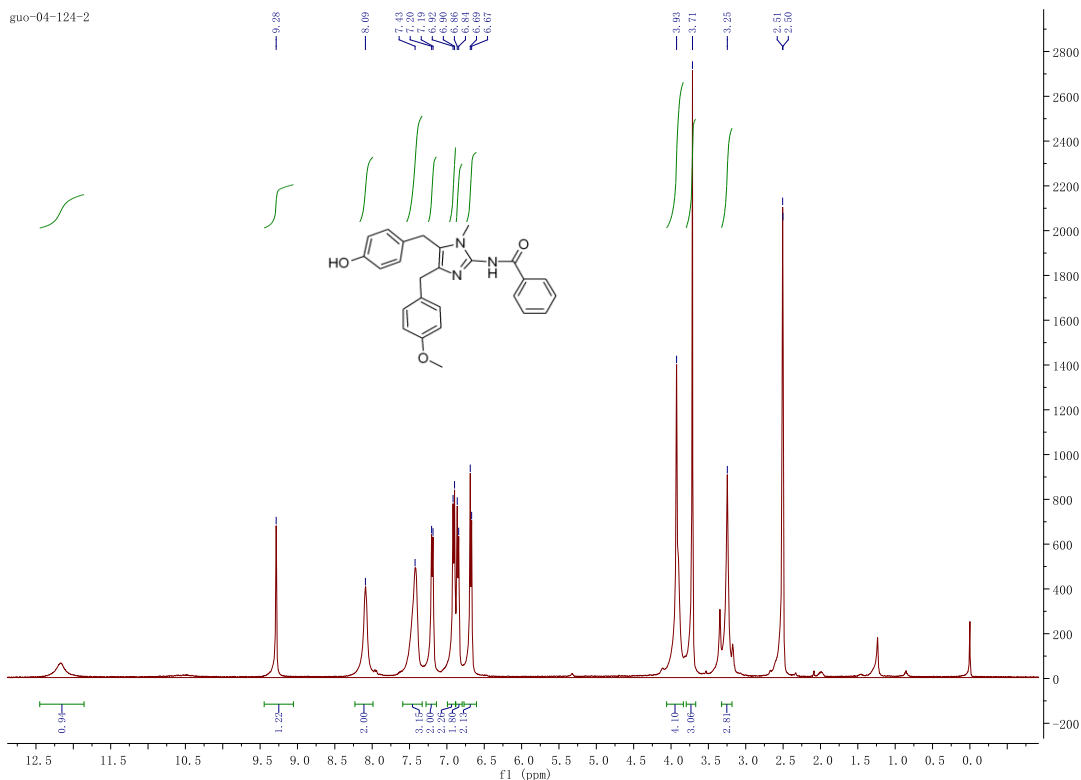




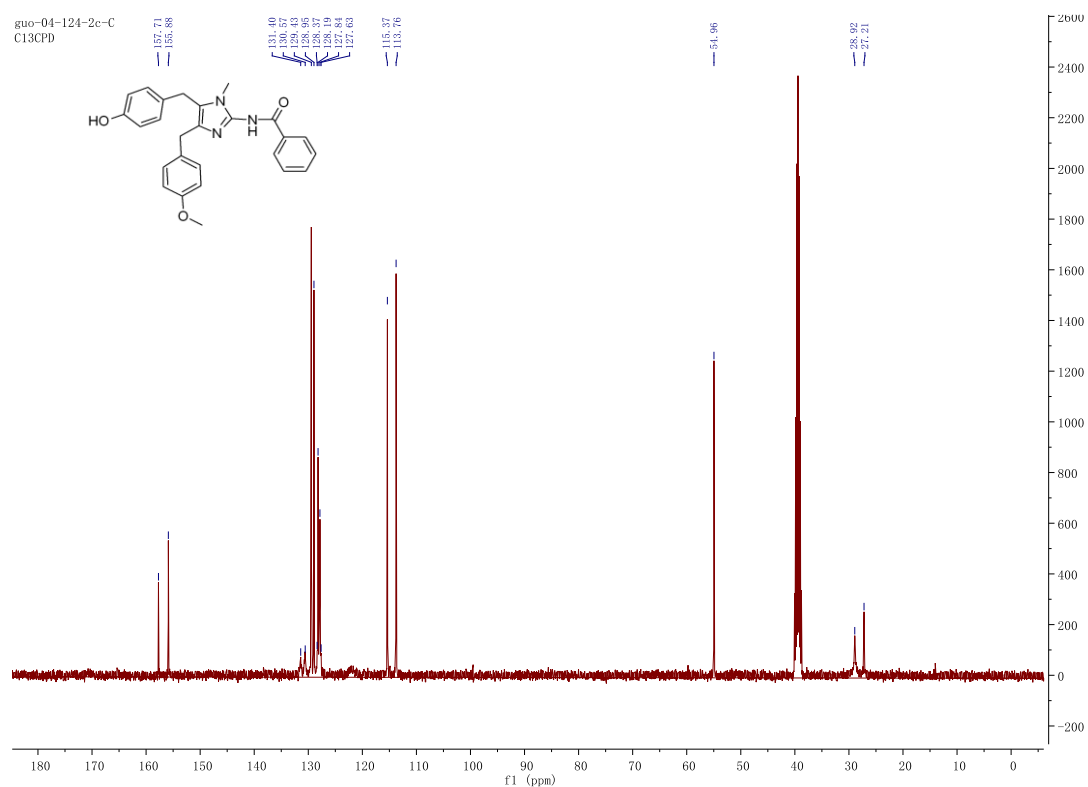
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HRMS spectrum of **1g**

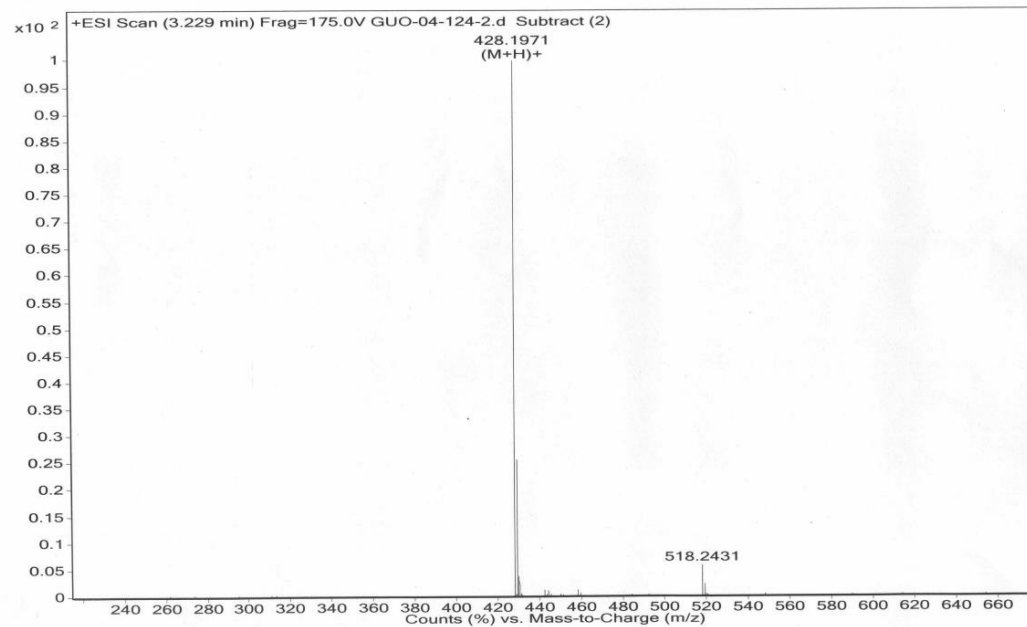


¹H NMR spectrum of **1h**

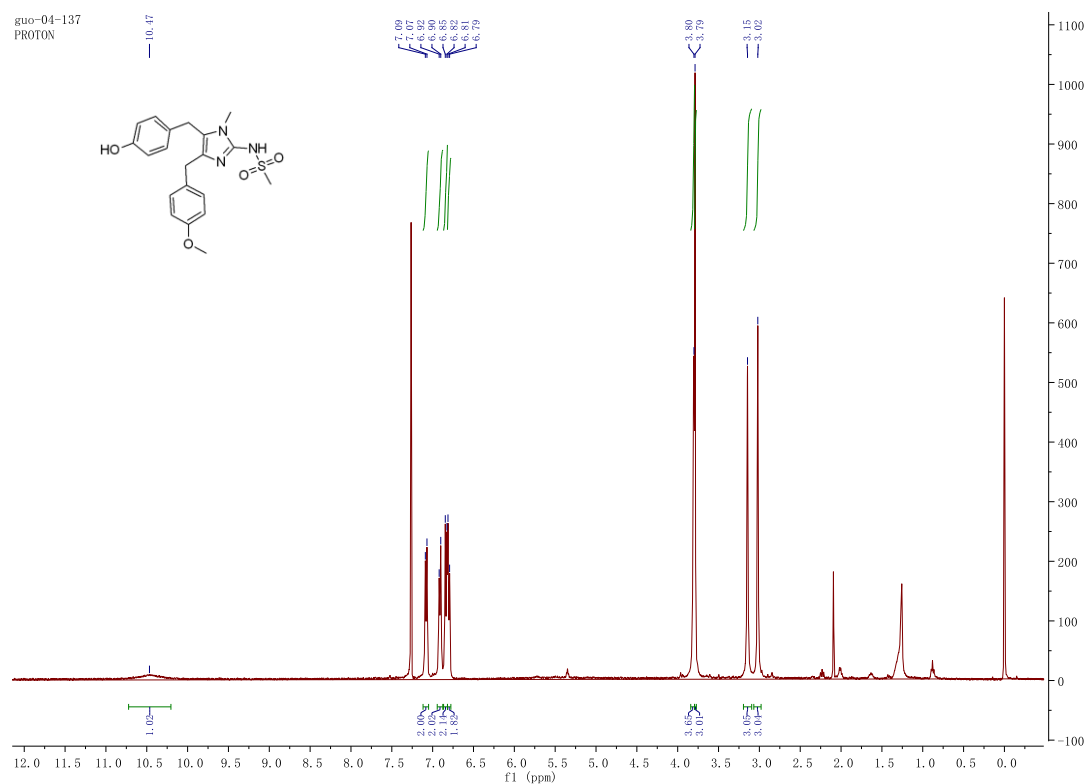


^{13}C NMR spectrum of **1h**

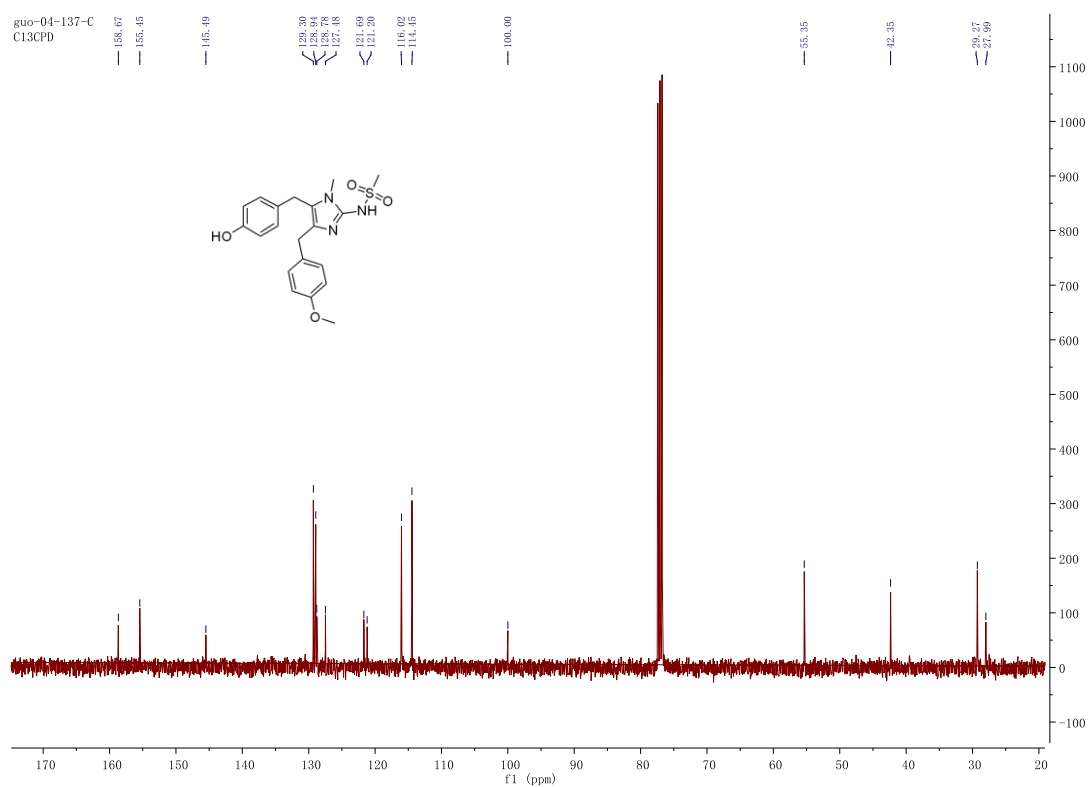
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HRMS spectrum of **1h**



¹H NMR spectrum of **1i**

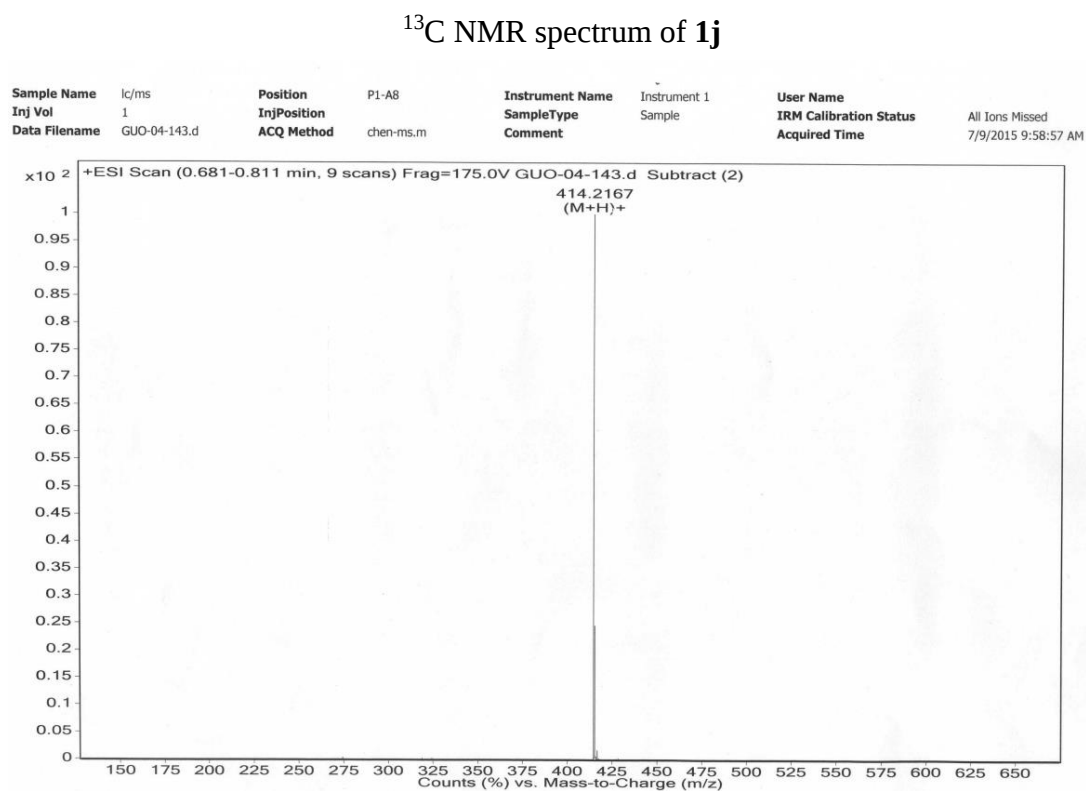
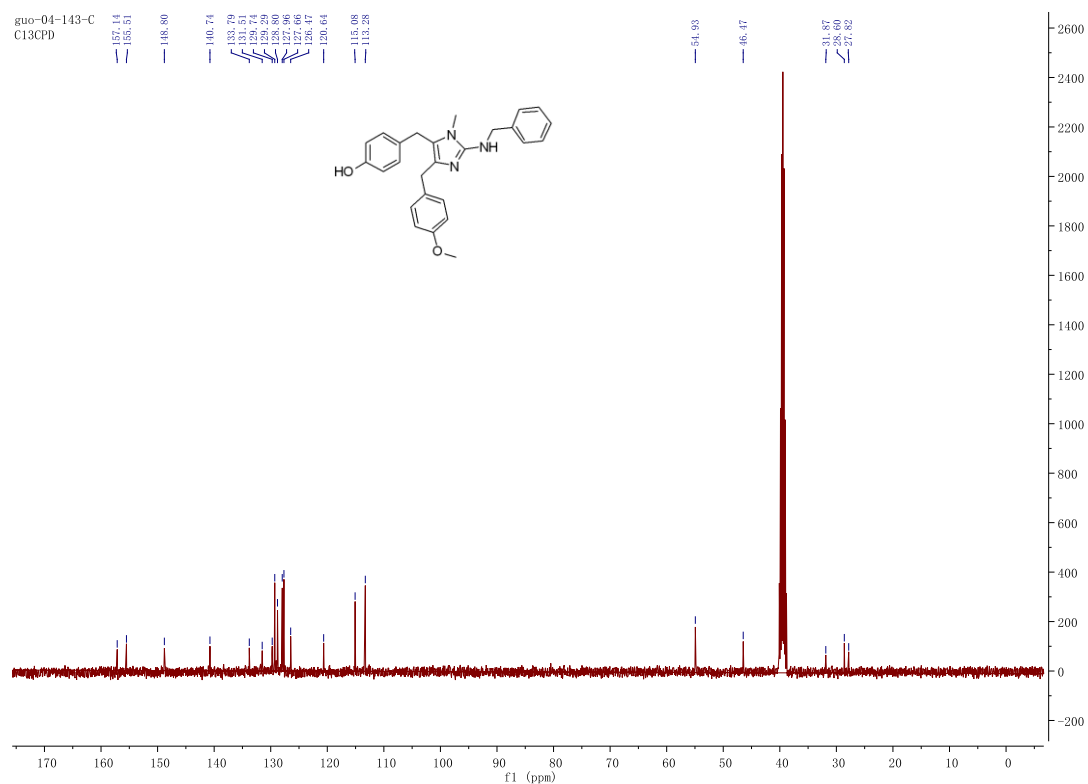


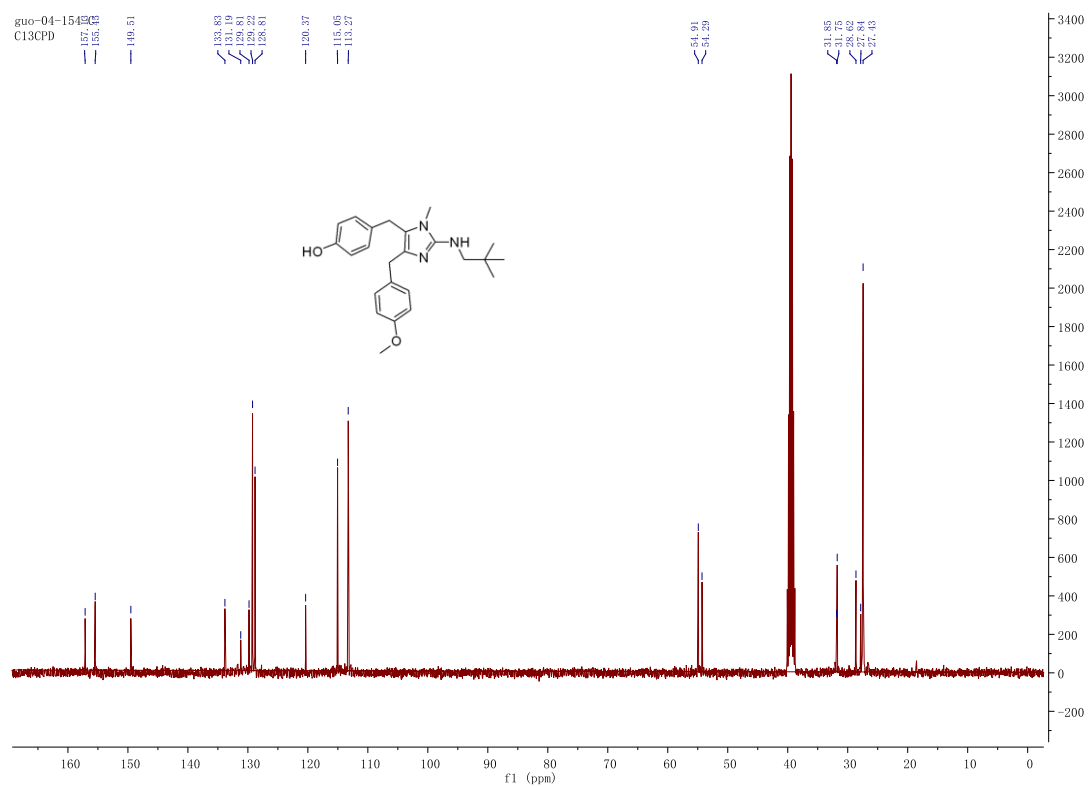
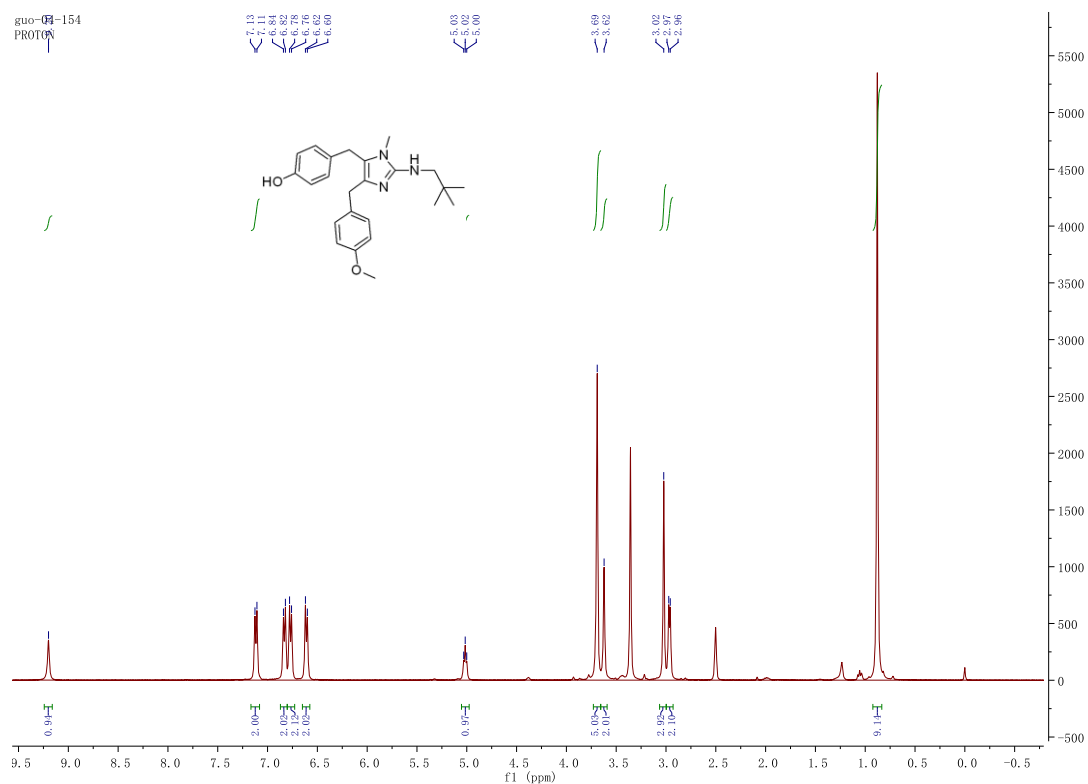
¹³C NMR spectrum of **1i**

Mass spectrum plot showing relative intensity (0 to 1.0) versus mass-to-charge ratio (m/z) from 175 to 650. A single sharp peak is labeled at 402.1481 (M+H)+.

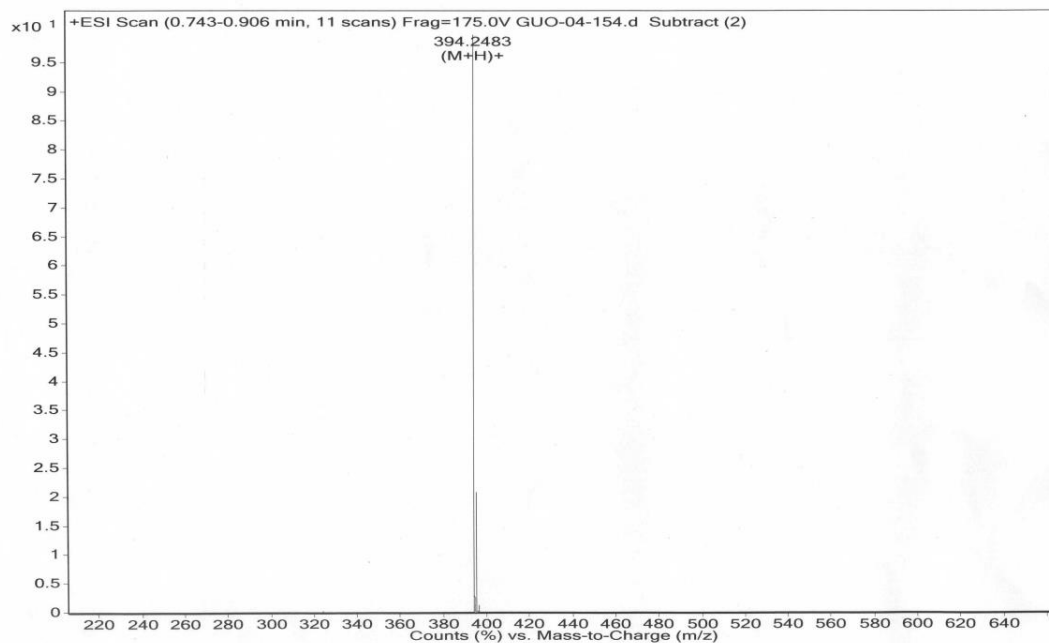
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S17

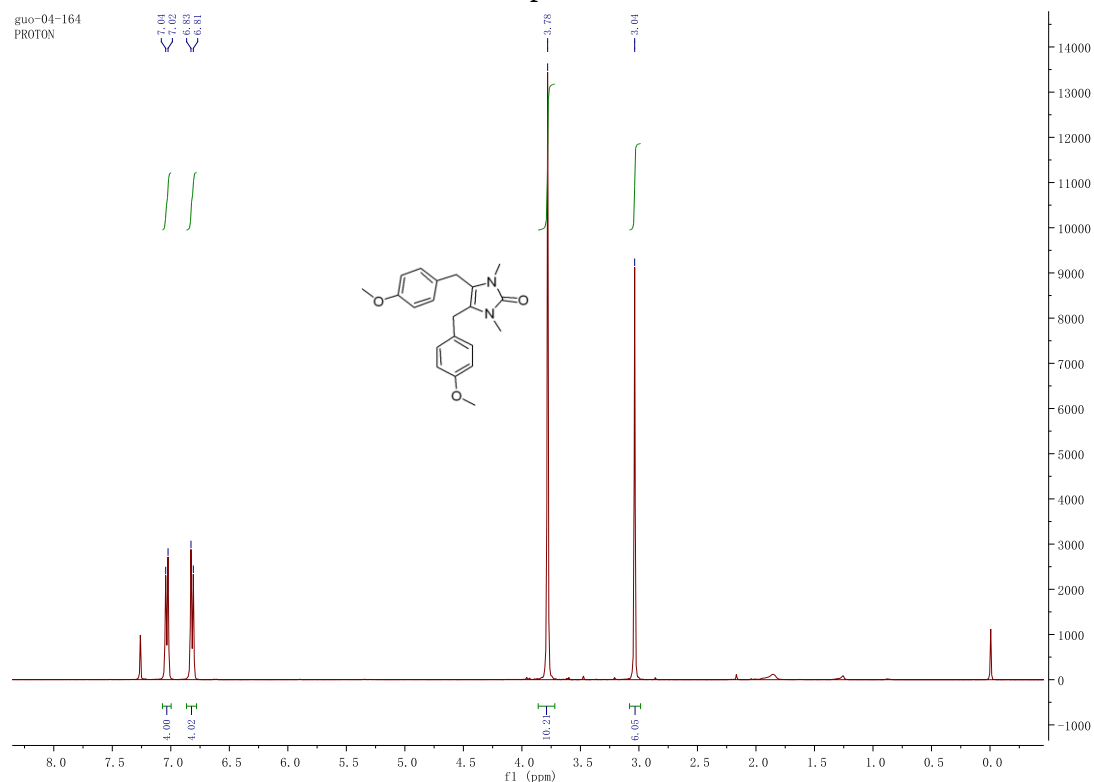




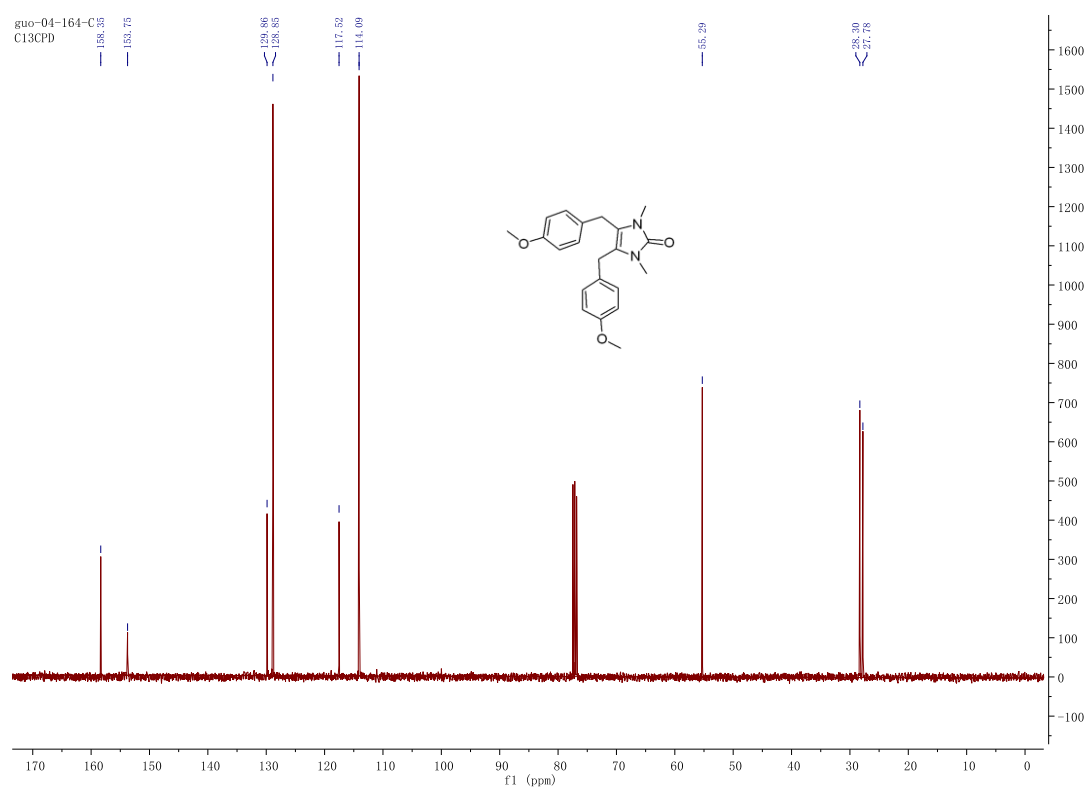
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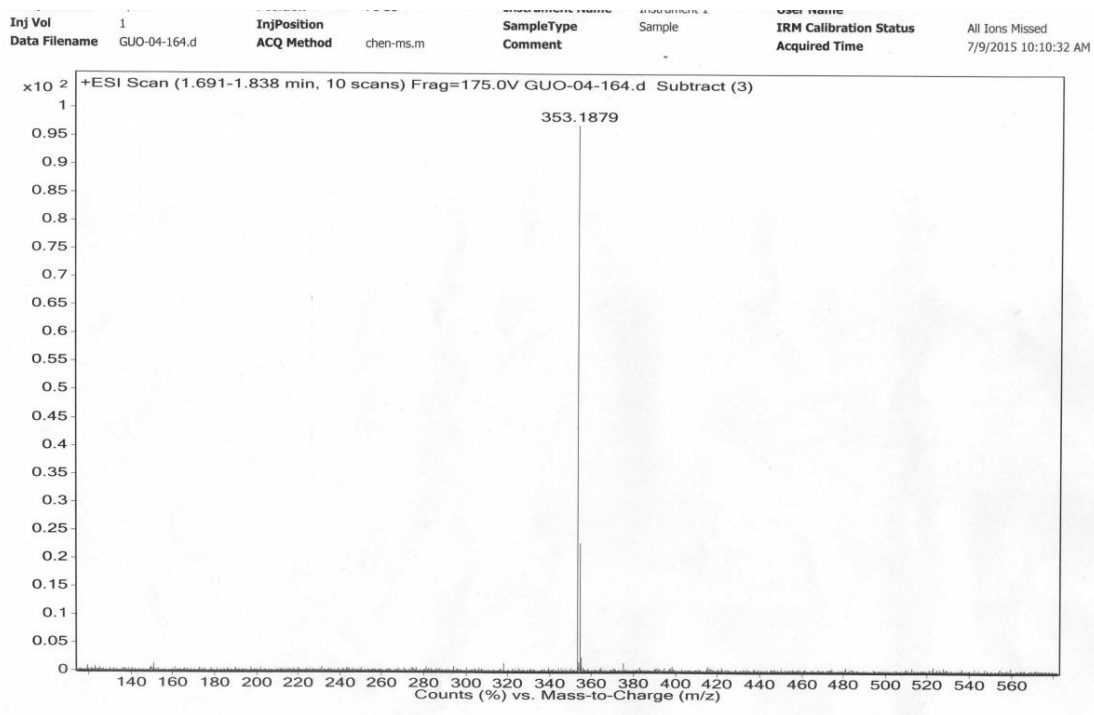
HRMS spectrum of **1k**



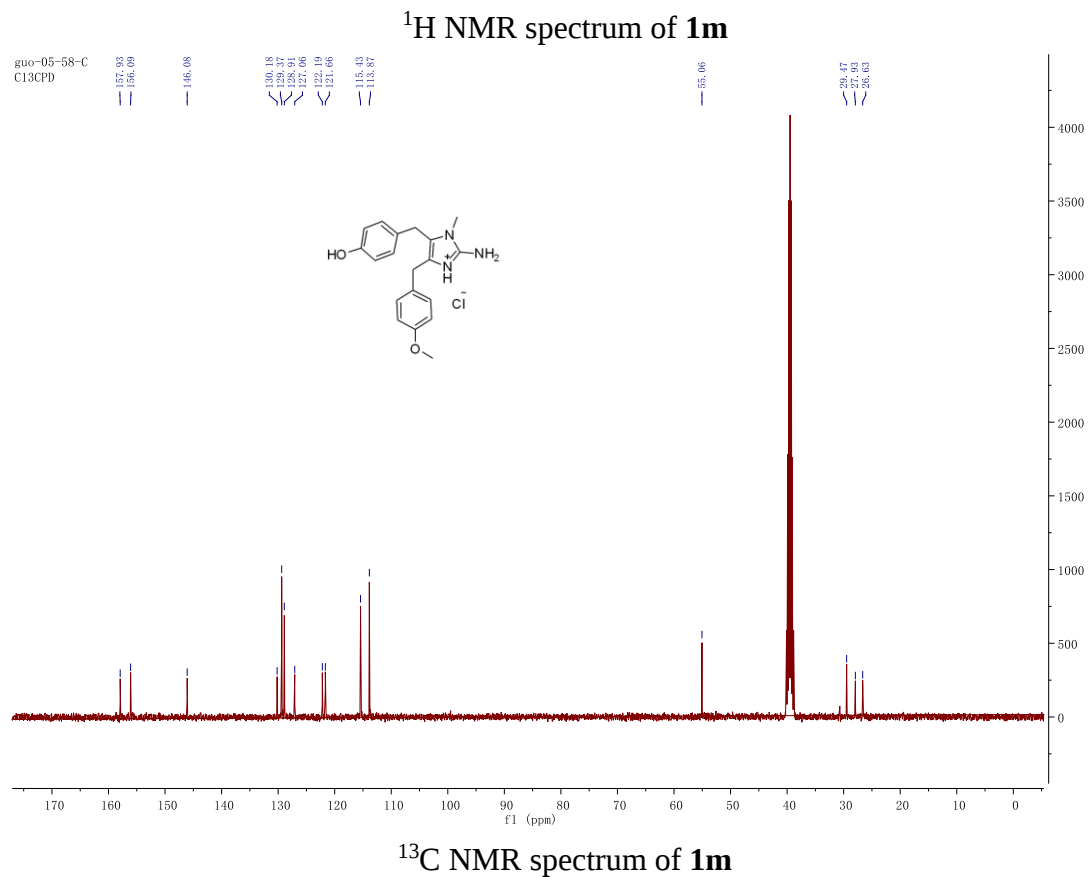
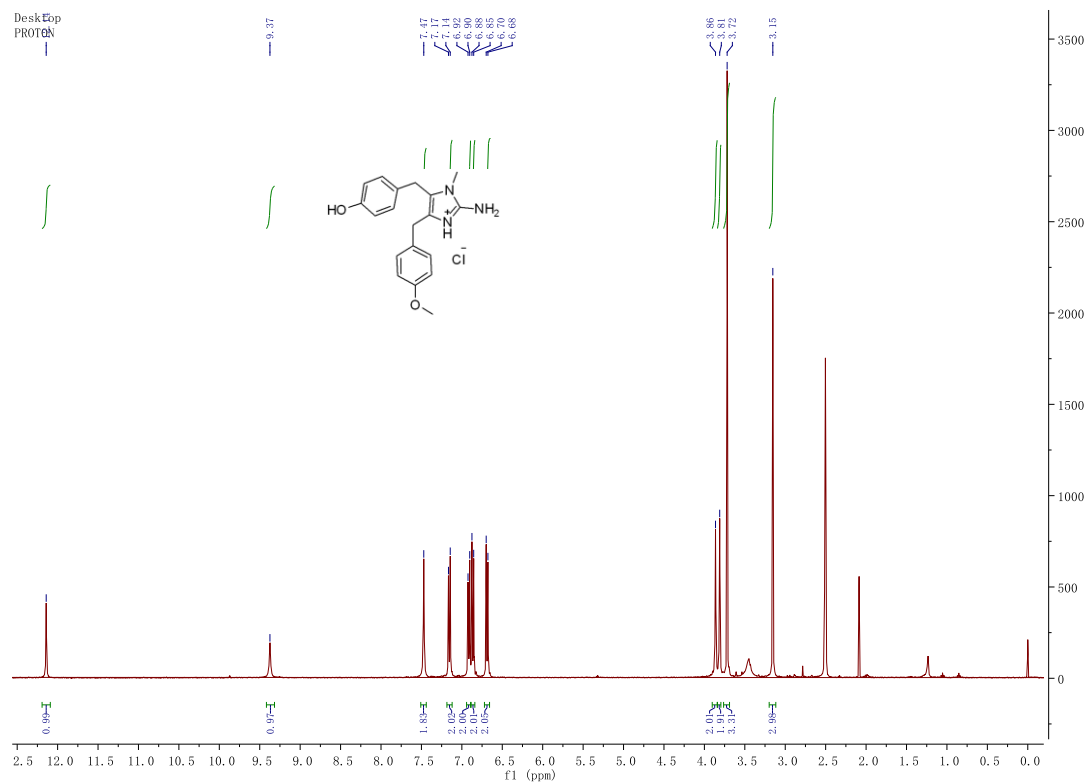
¹H NMR spectrum of **1l**

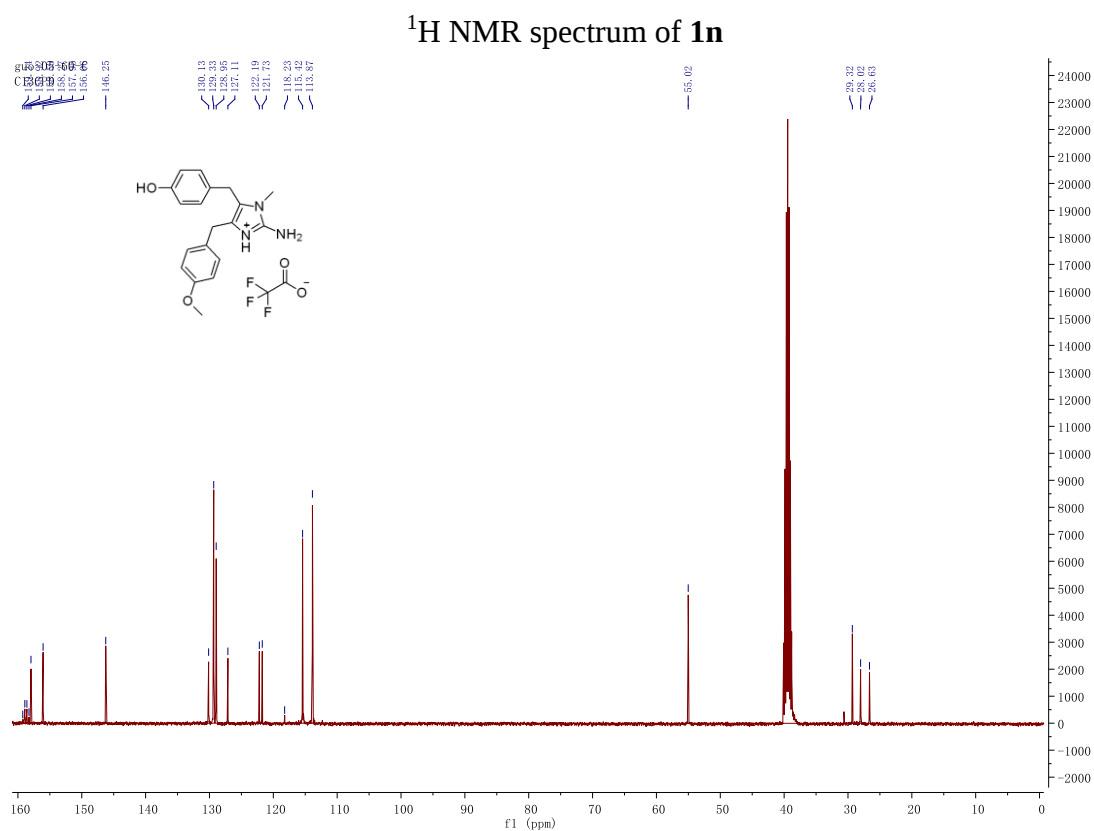
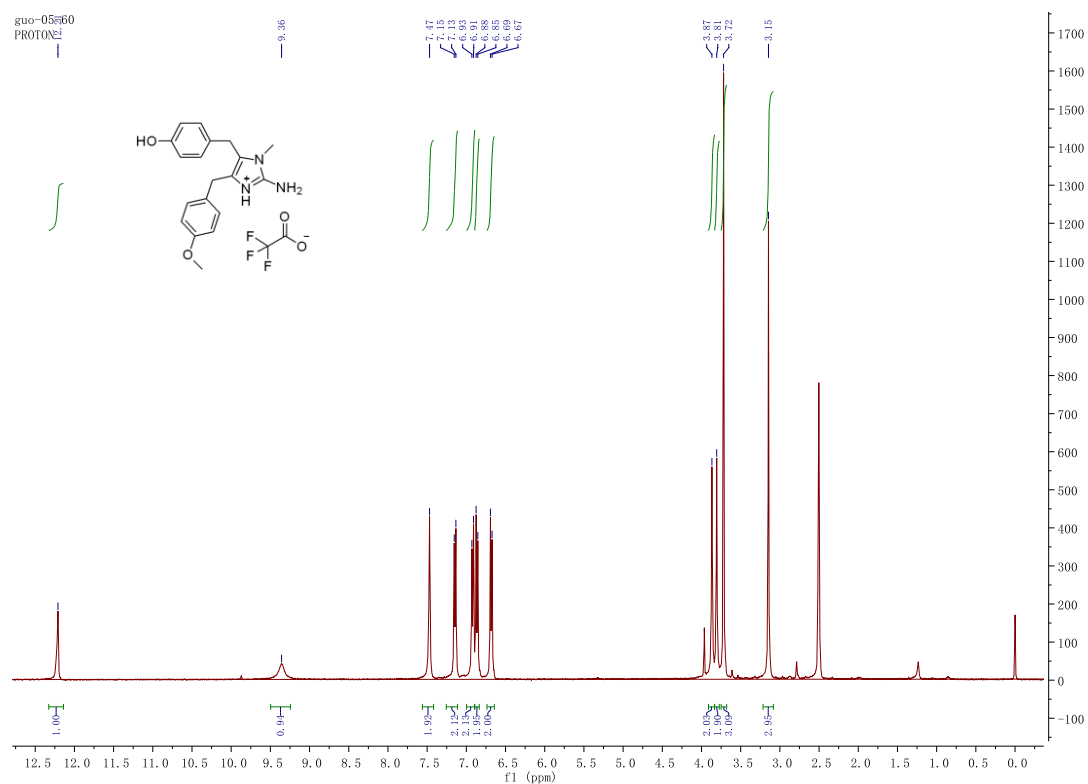


^{13}C NMR spectrum of **11**

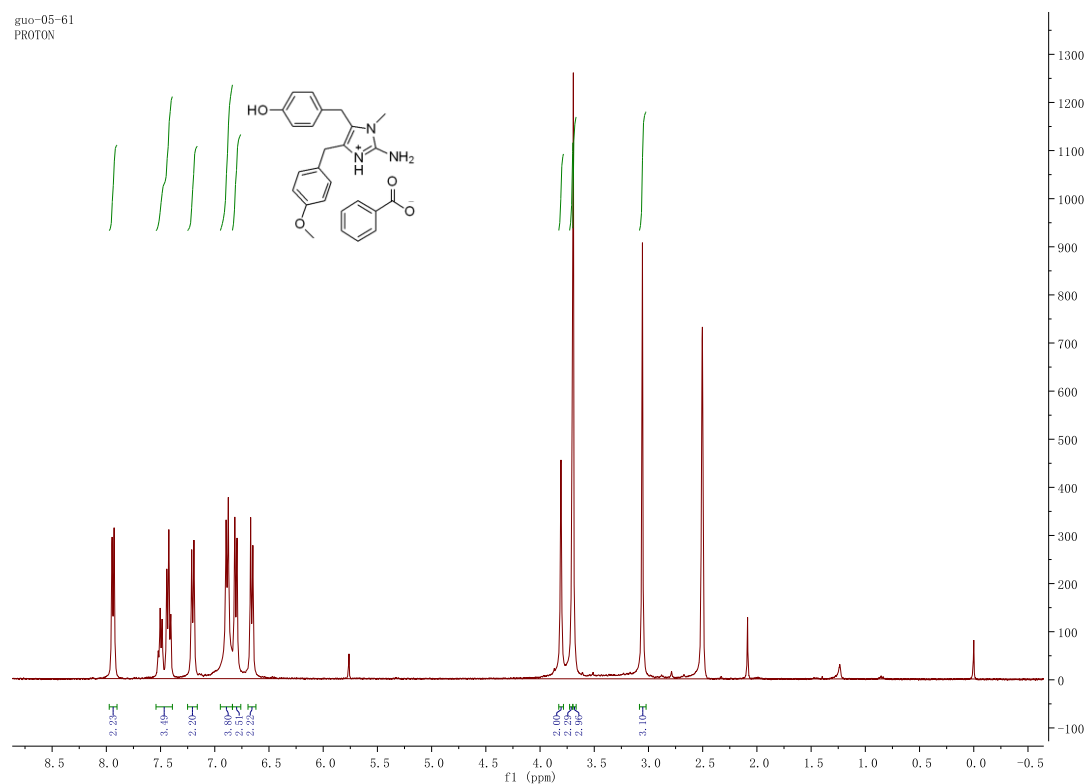


HRMS spectrum of **11**

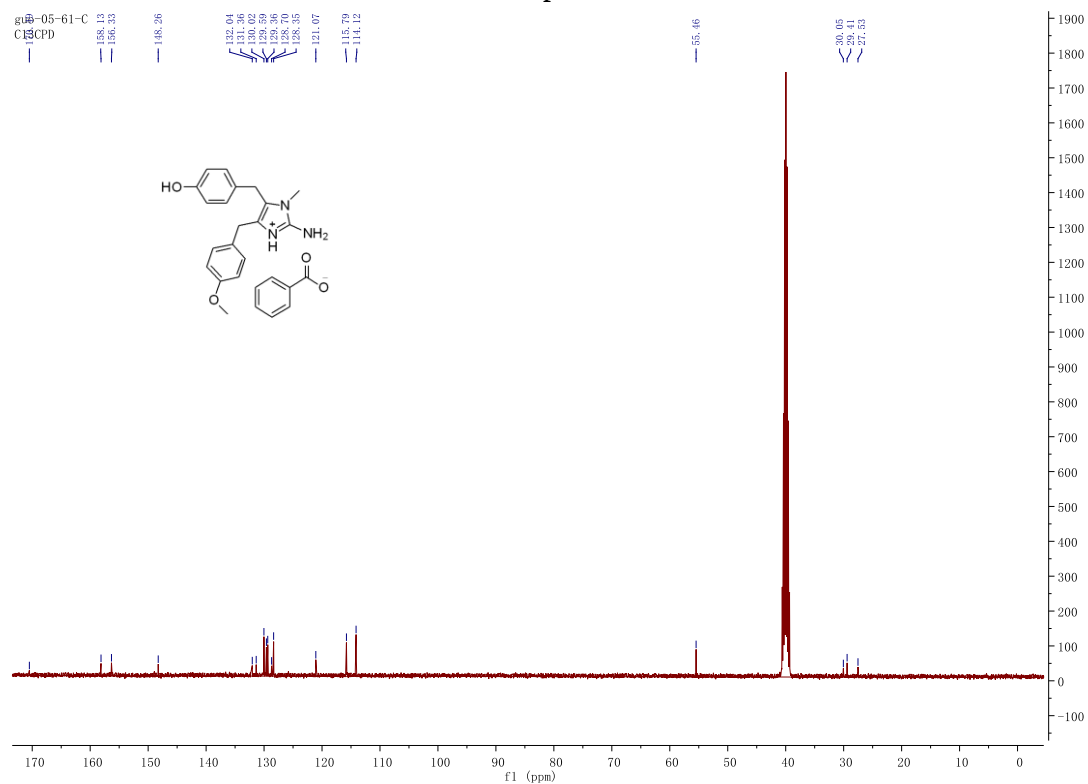




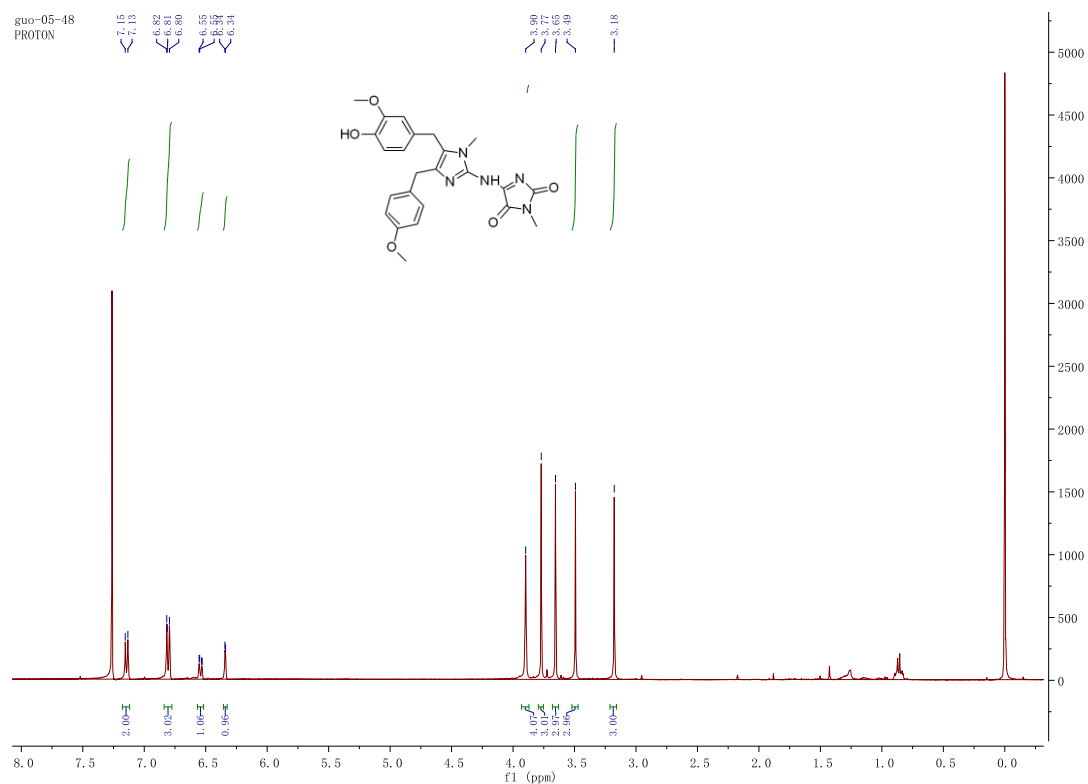
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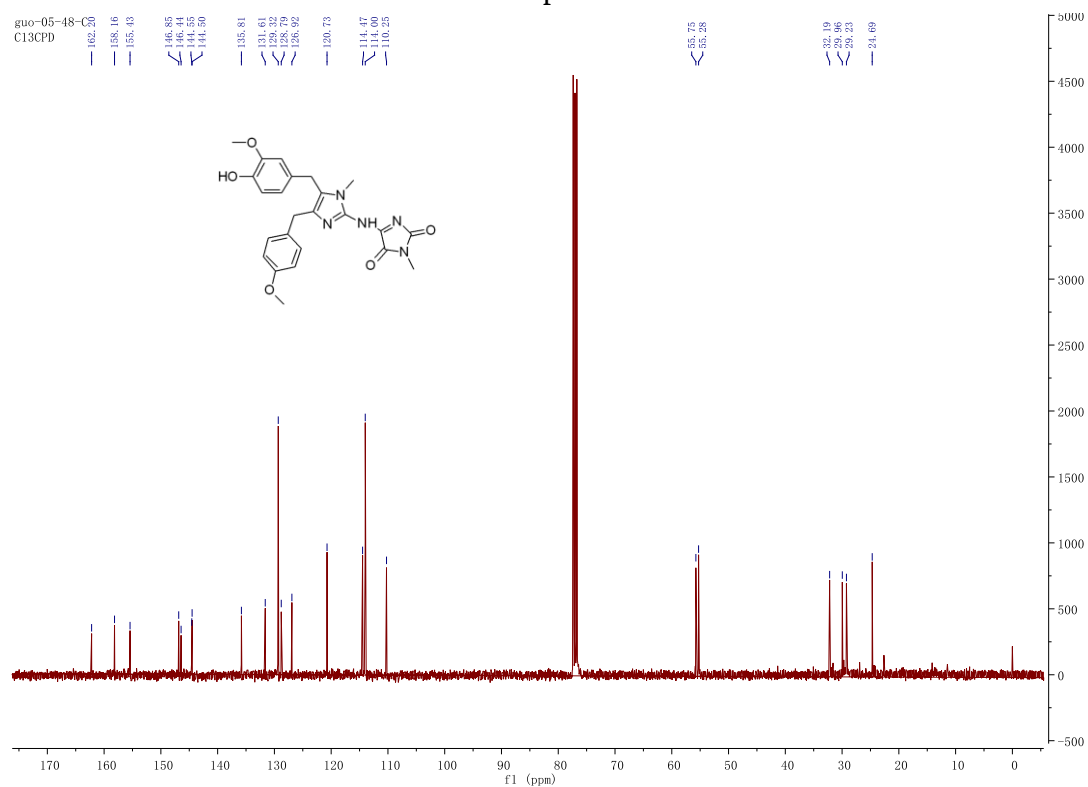
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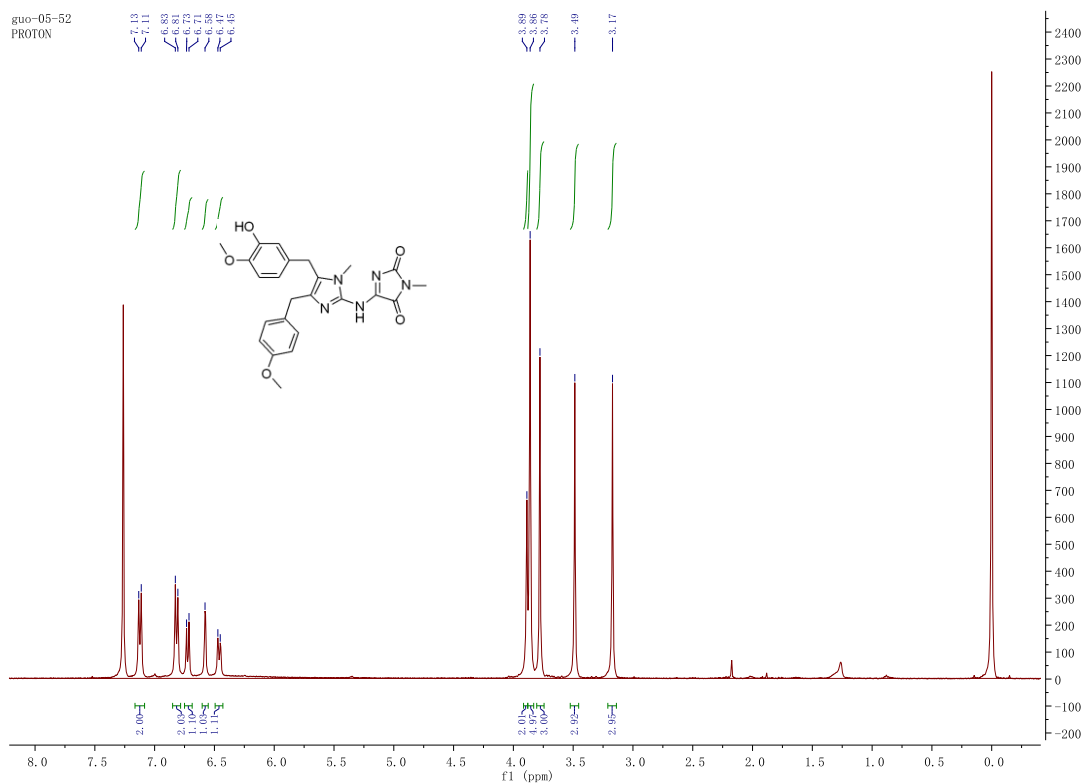
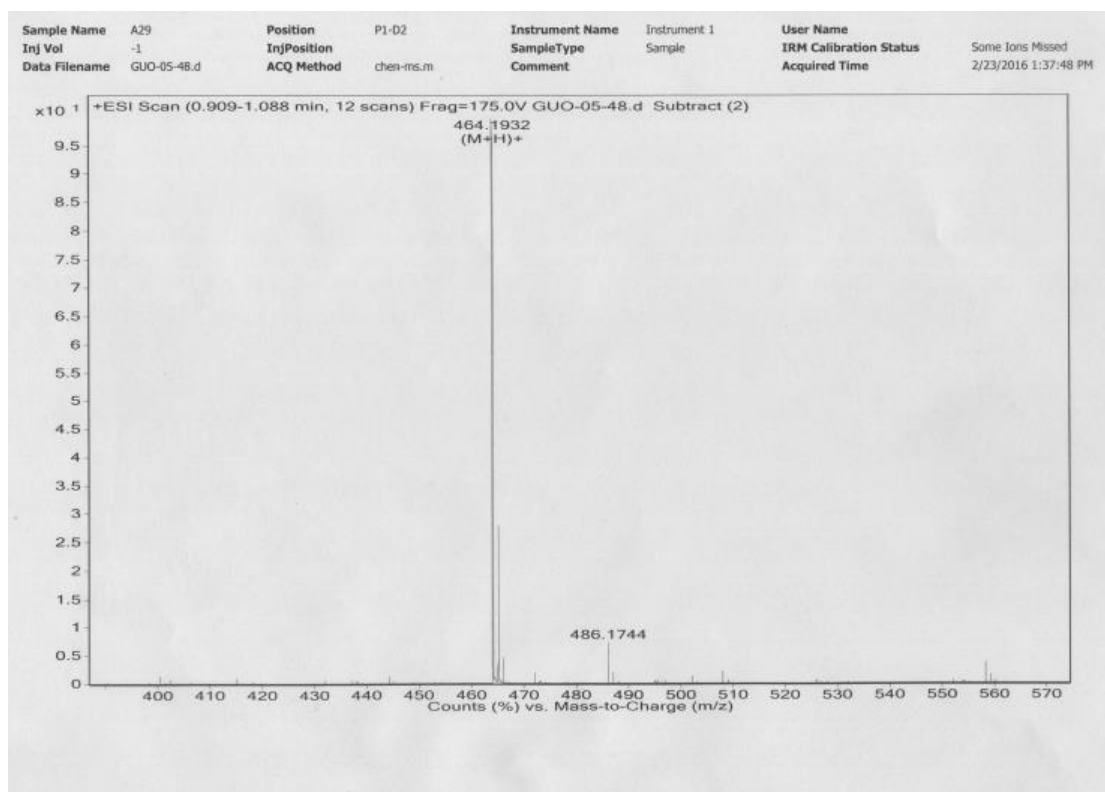
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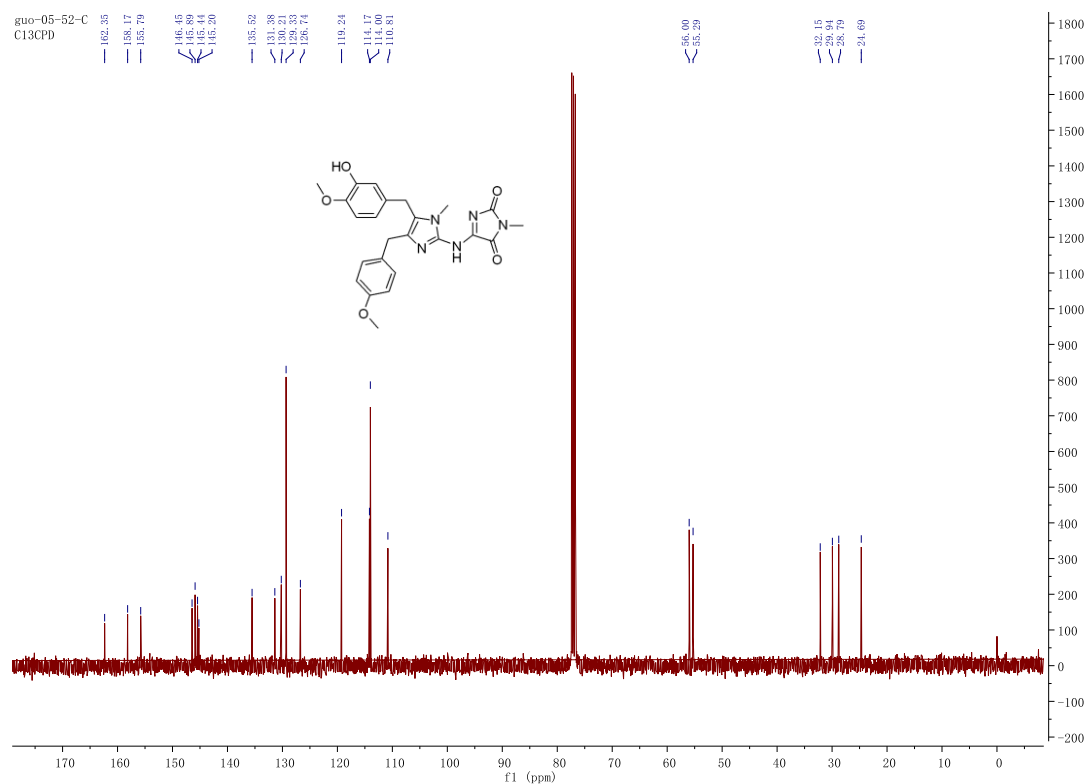


¹H NMR spectrum of 2a

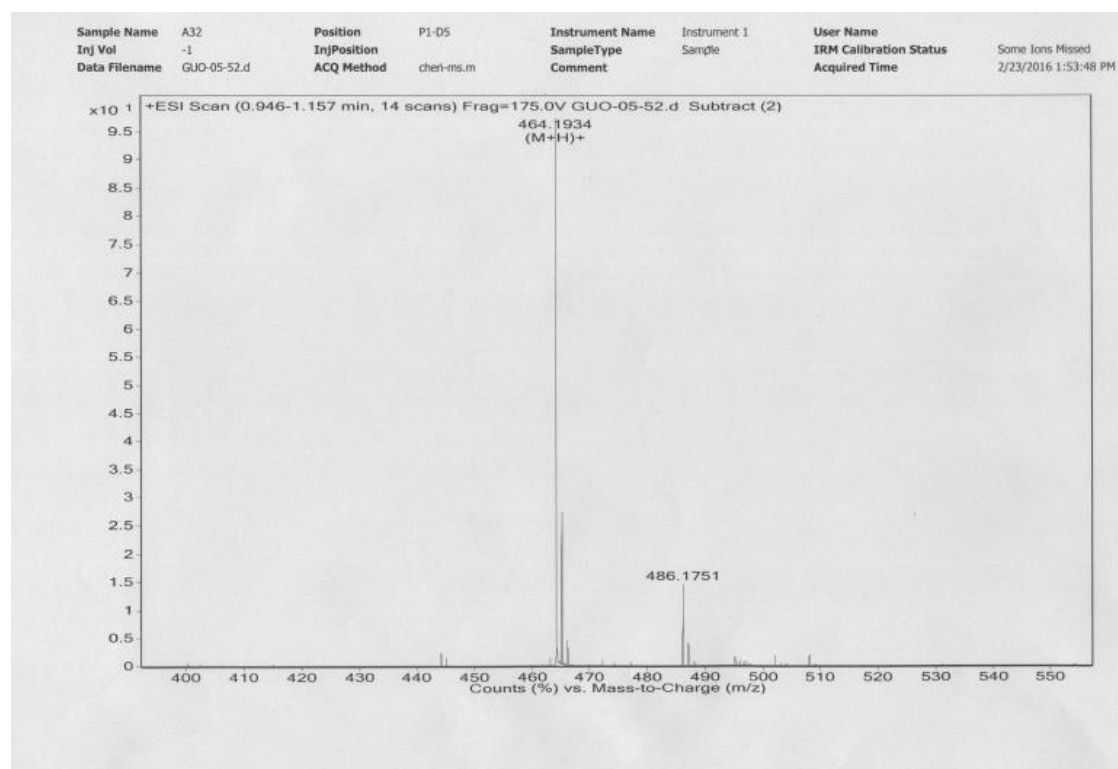


¹³C NMR spectrum of 2a

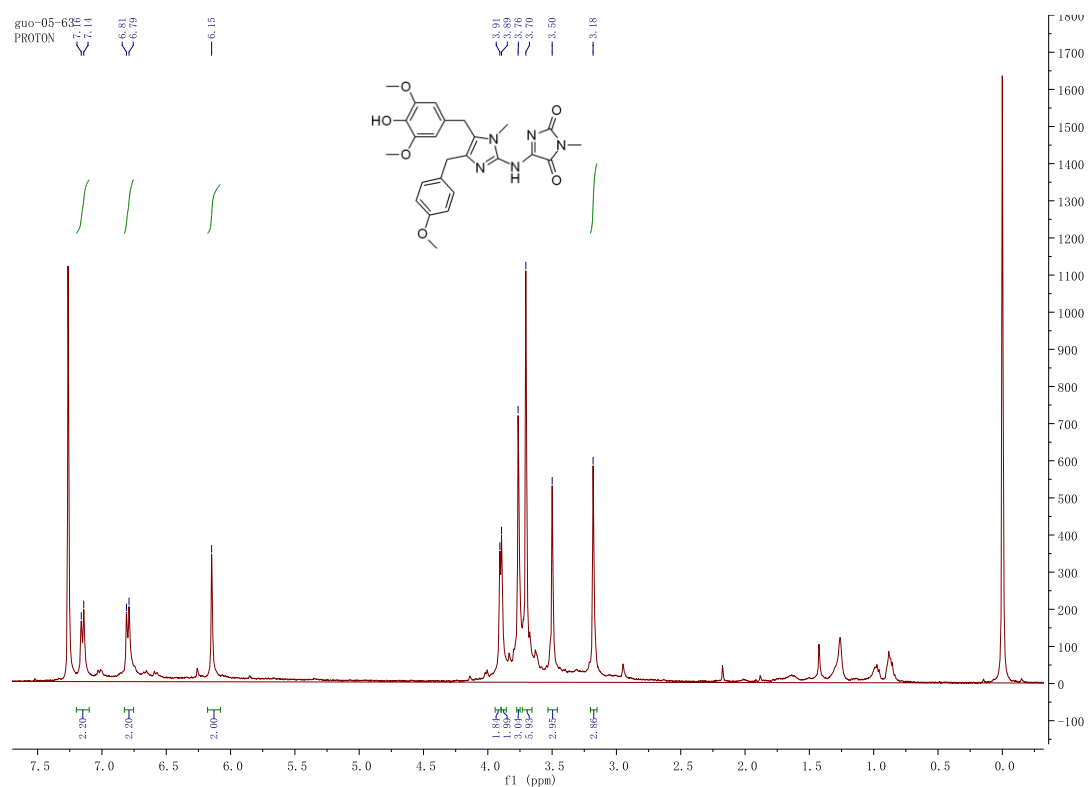




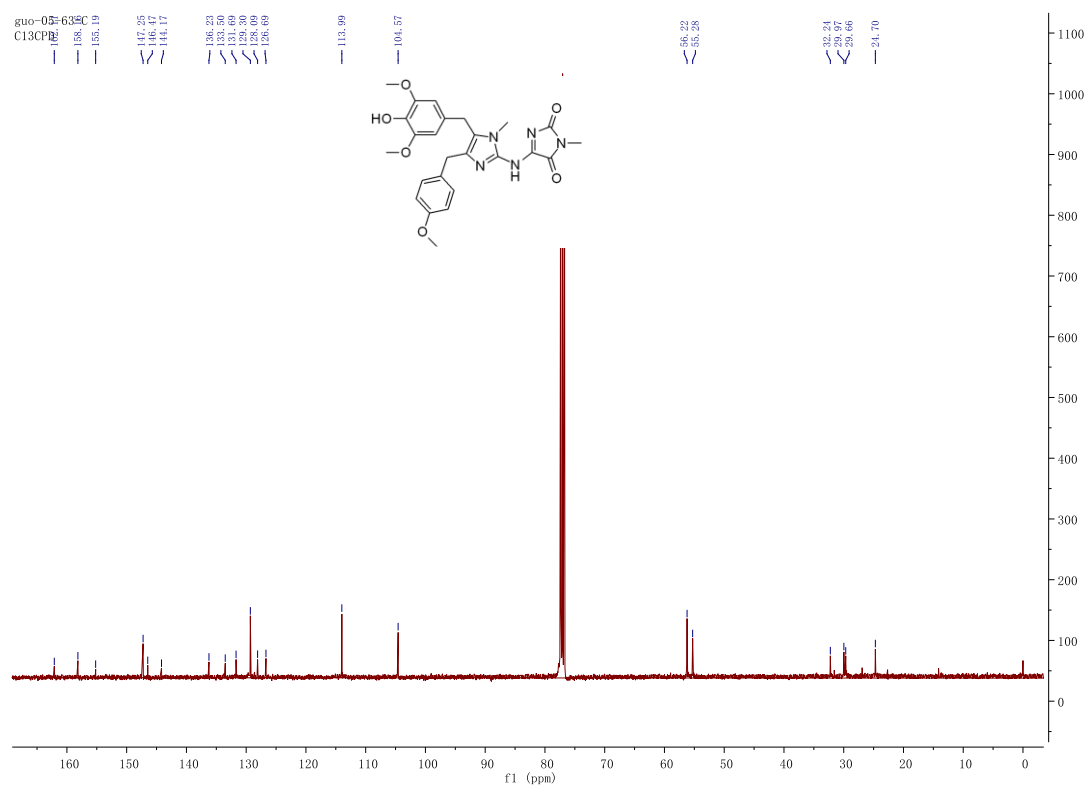
^{13}C NMR spectrum of **2b**



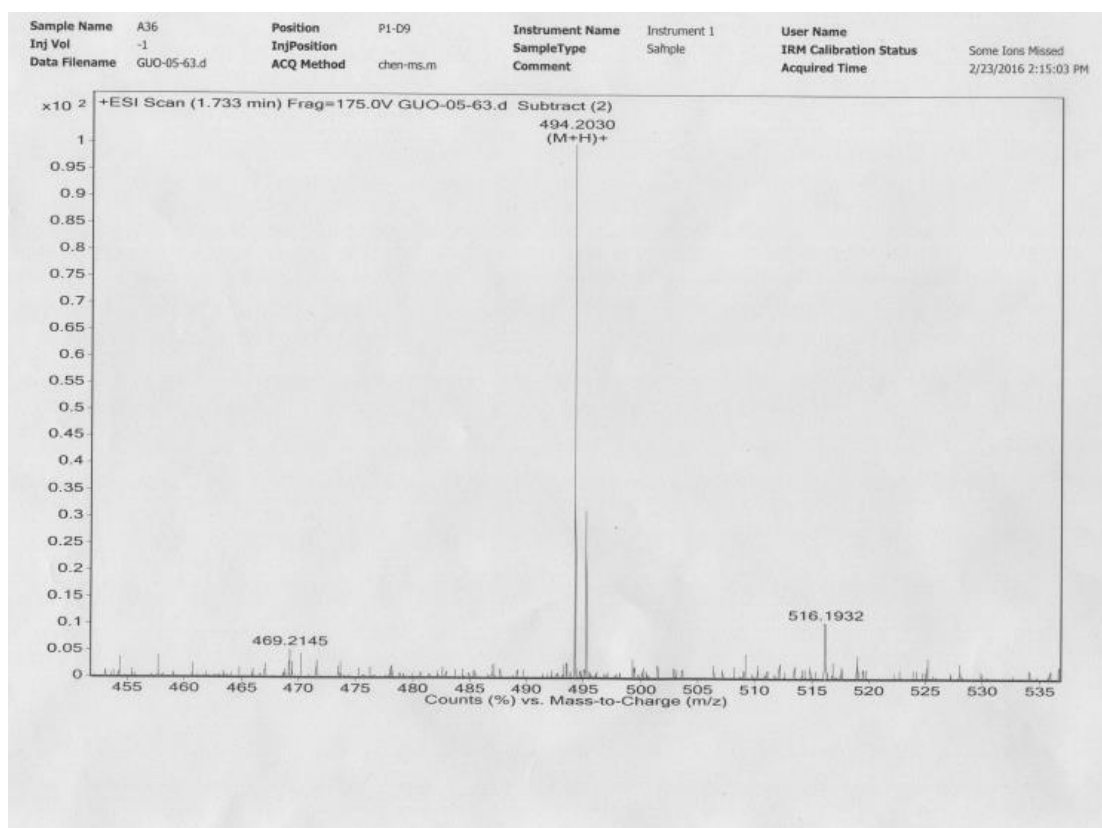
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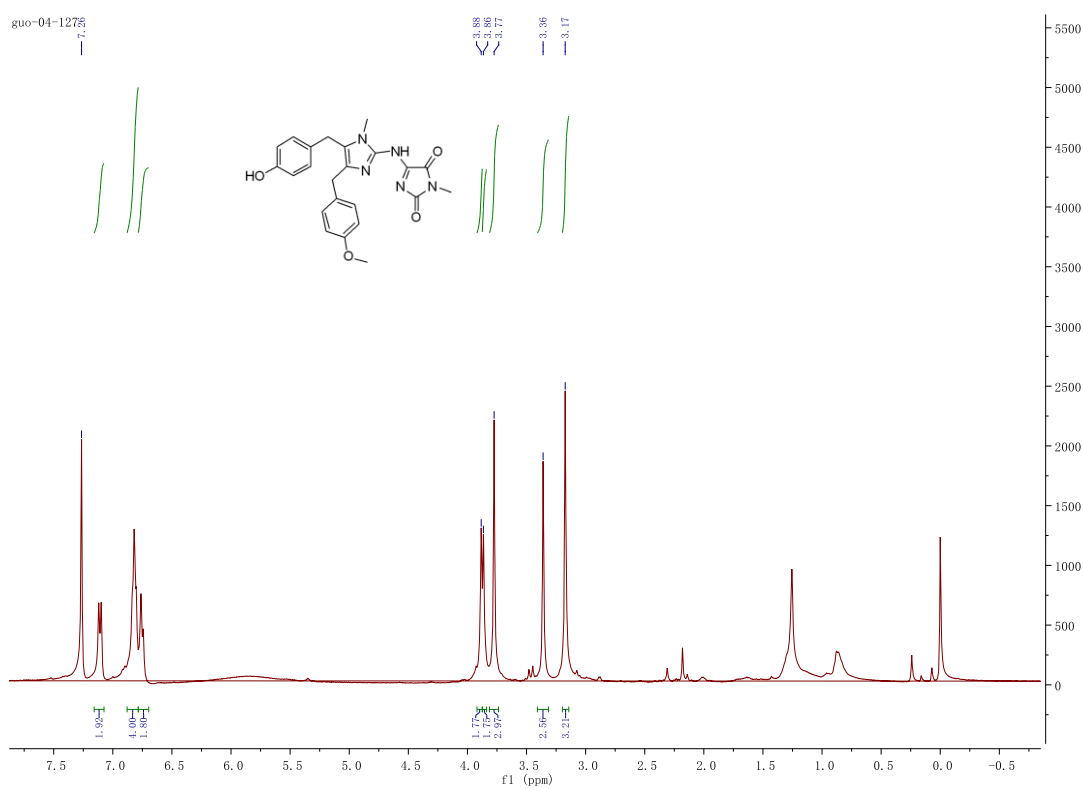
¹H NMR spectrum of 2c



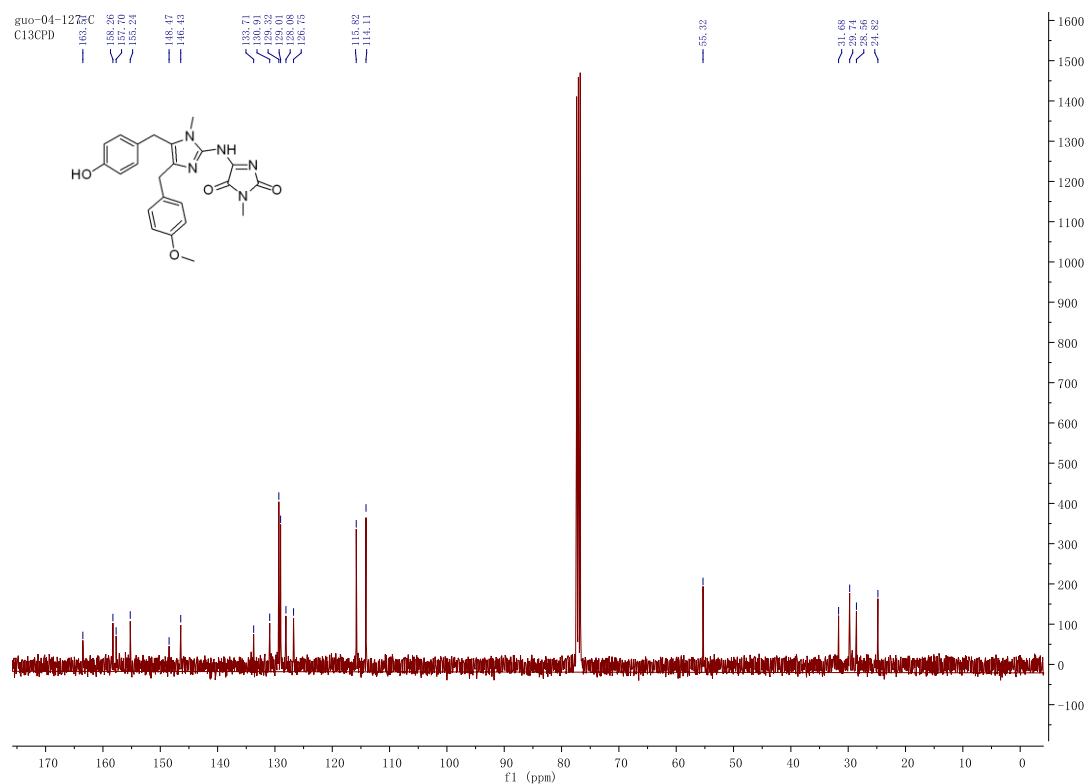
¹³C NMR spectrum of 2c



HRMS spectrum of **2c**



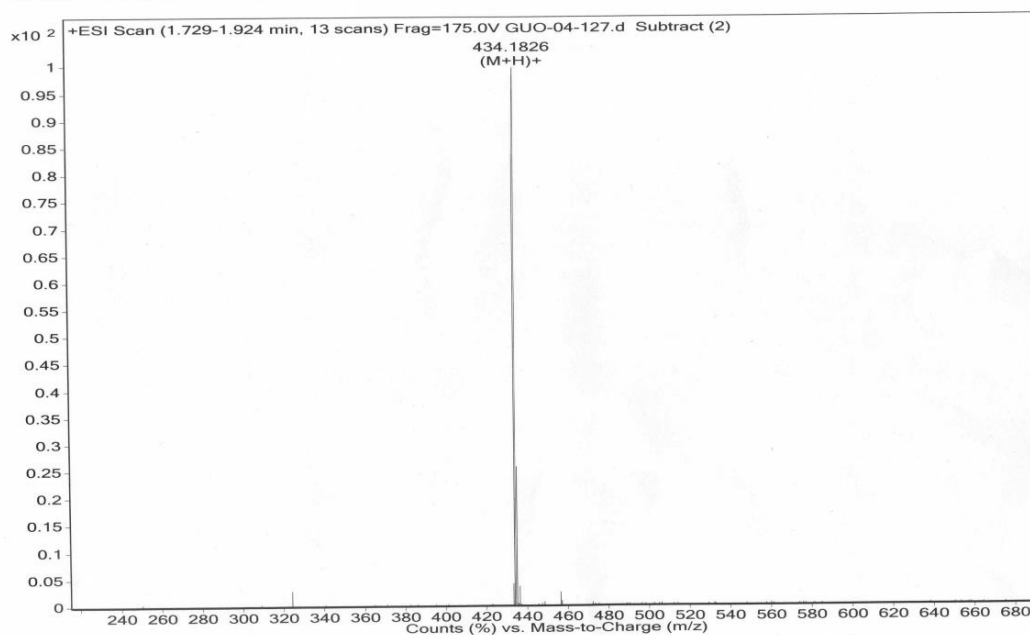
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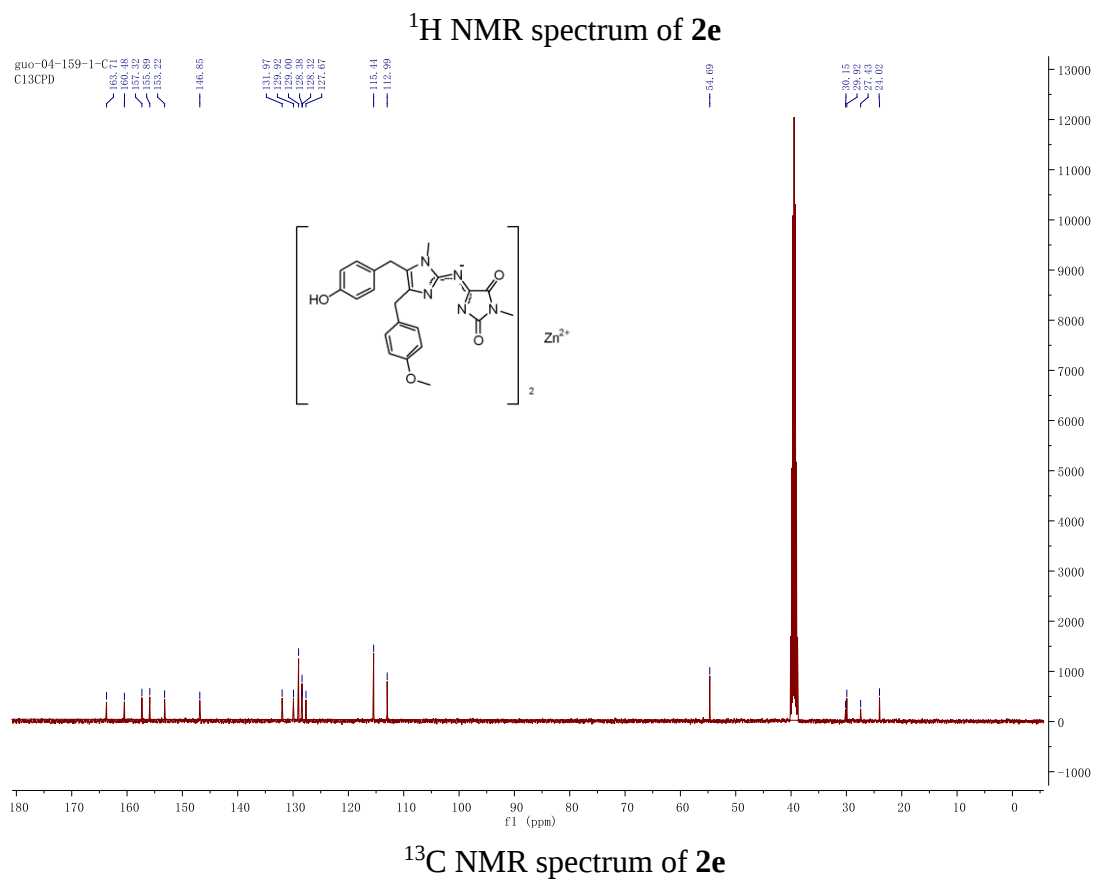
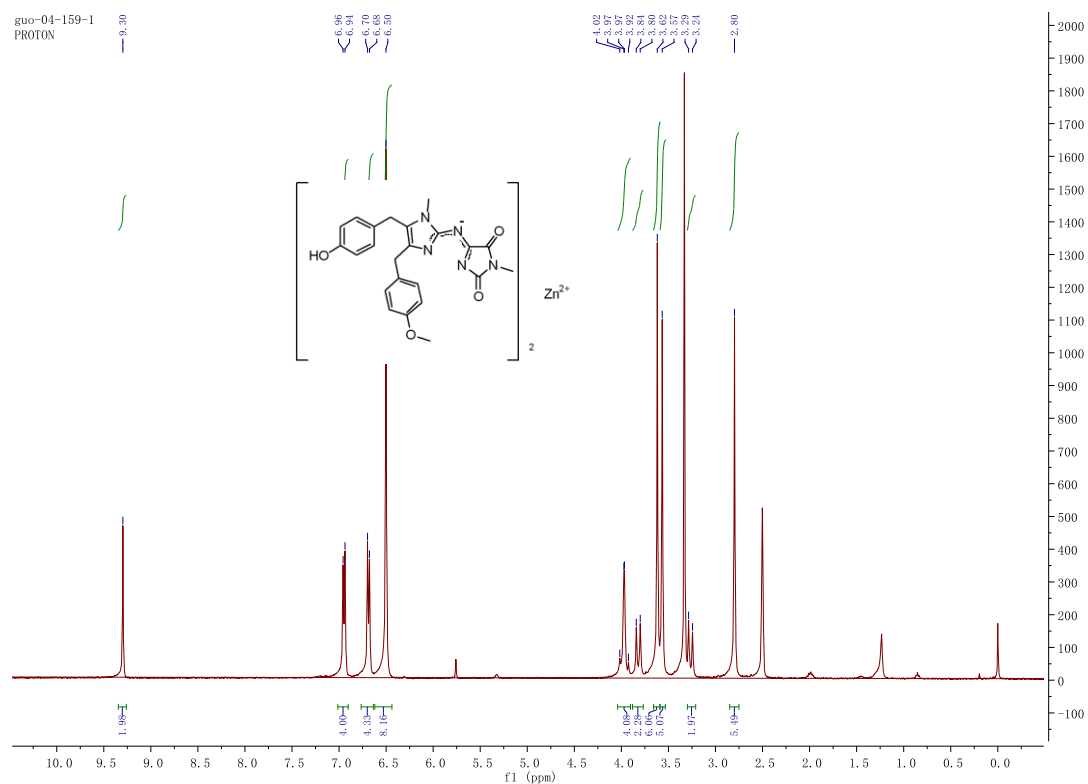
^{13}C NMR spectrum of 2d

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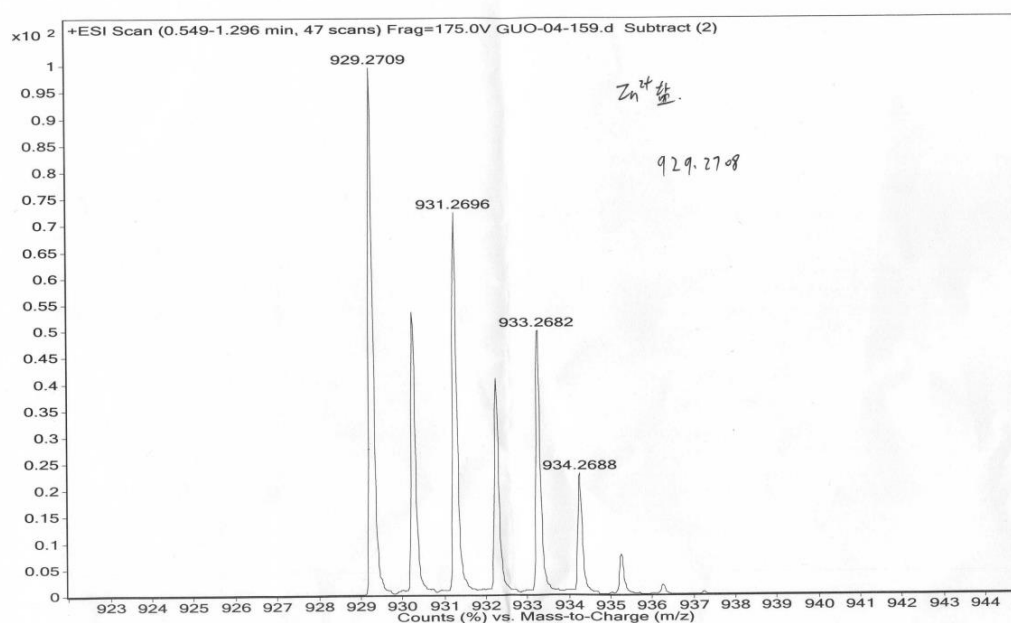
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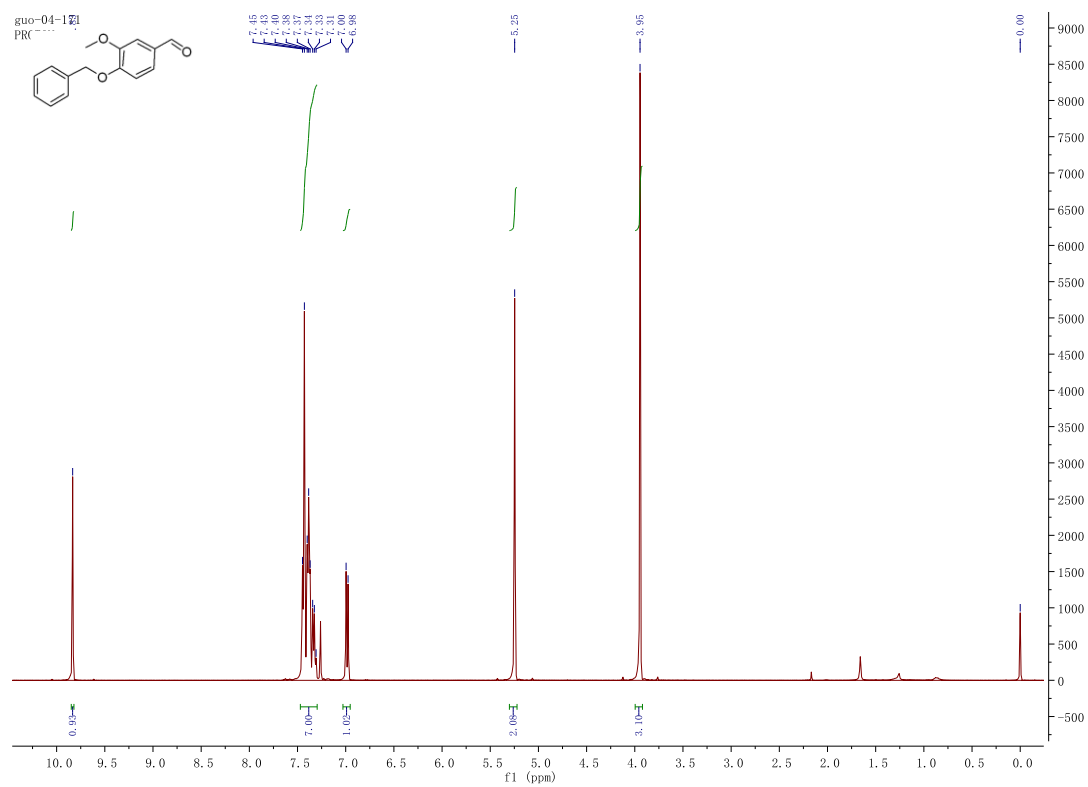
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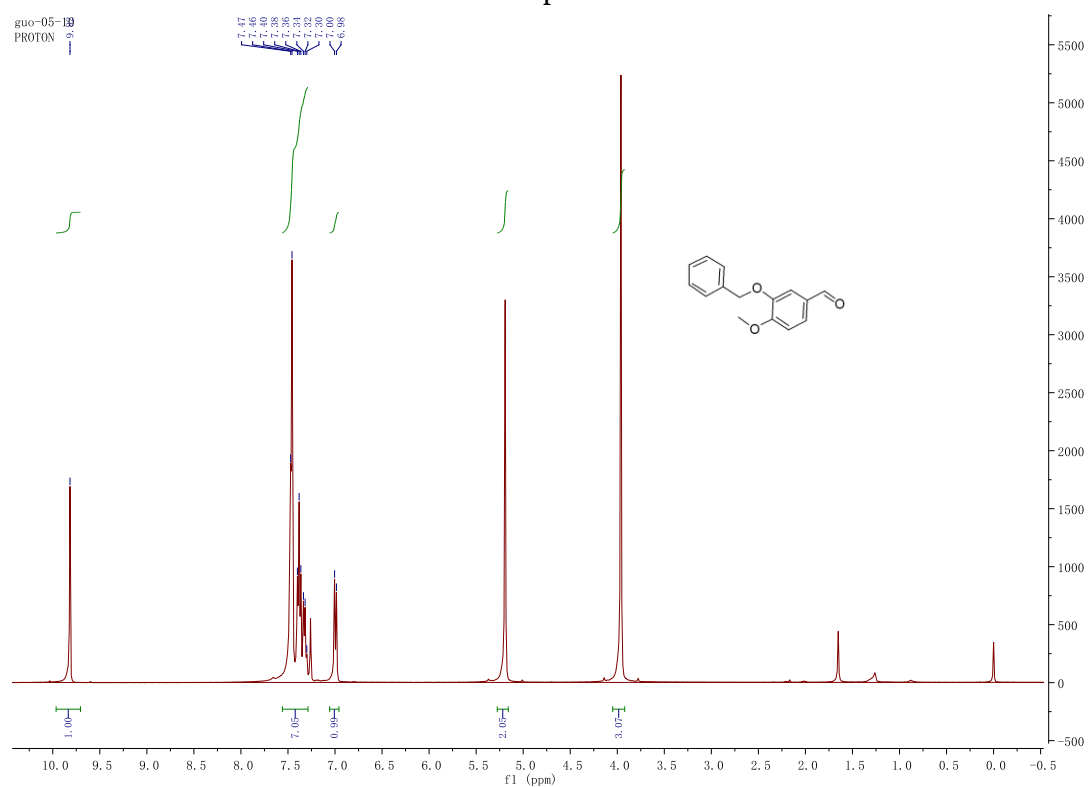
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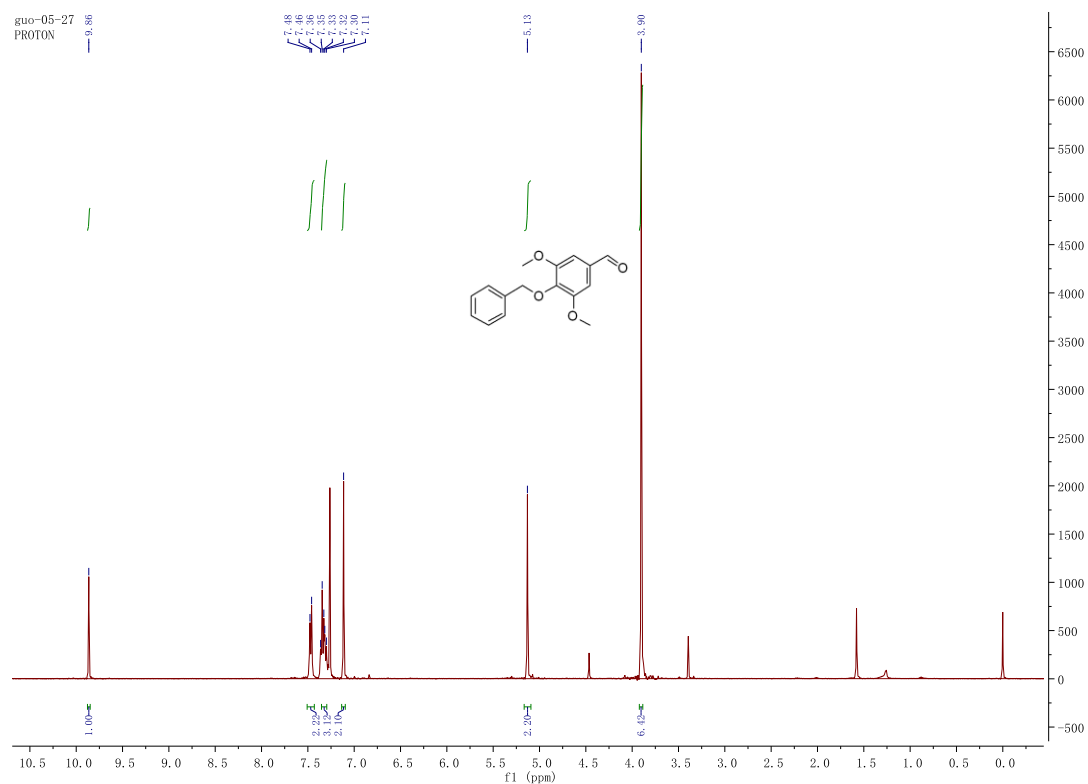
HRMS spectrum of **2e**



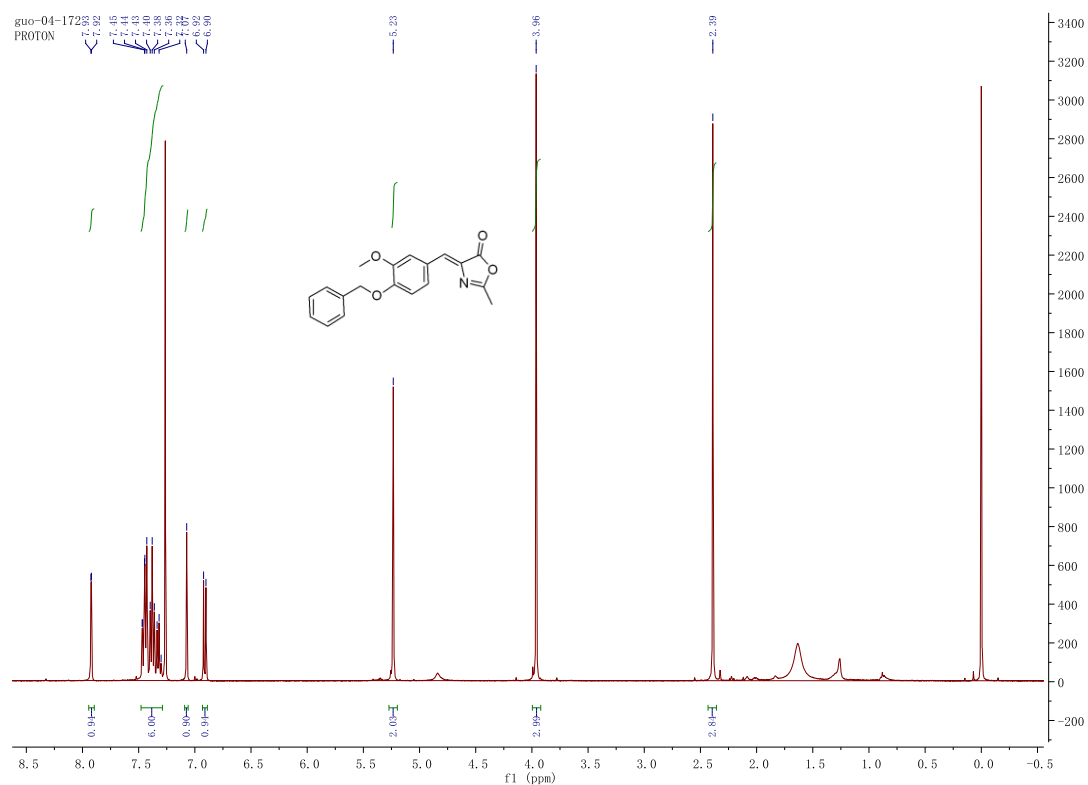
¹H NMR spectrum of **4a**



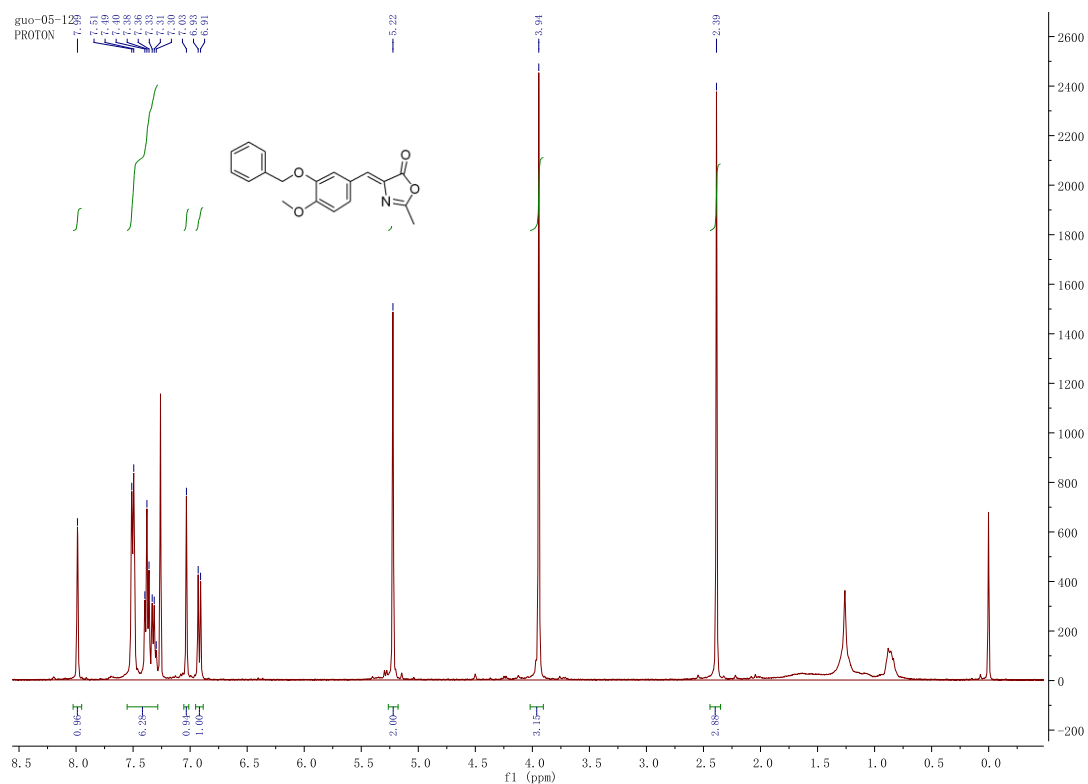
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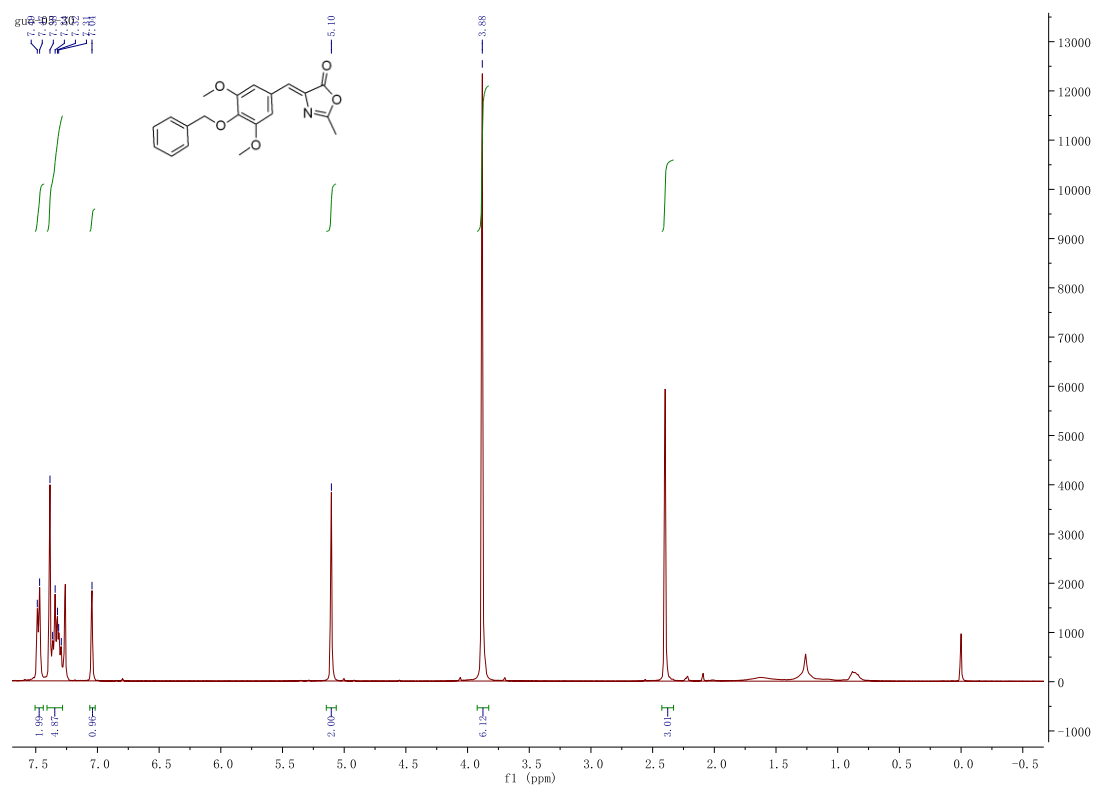
¹H NMR spectrum of 4c



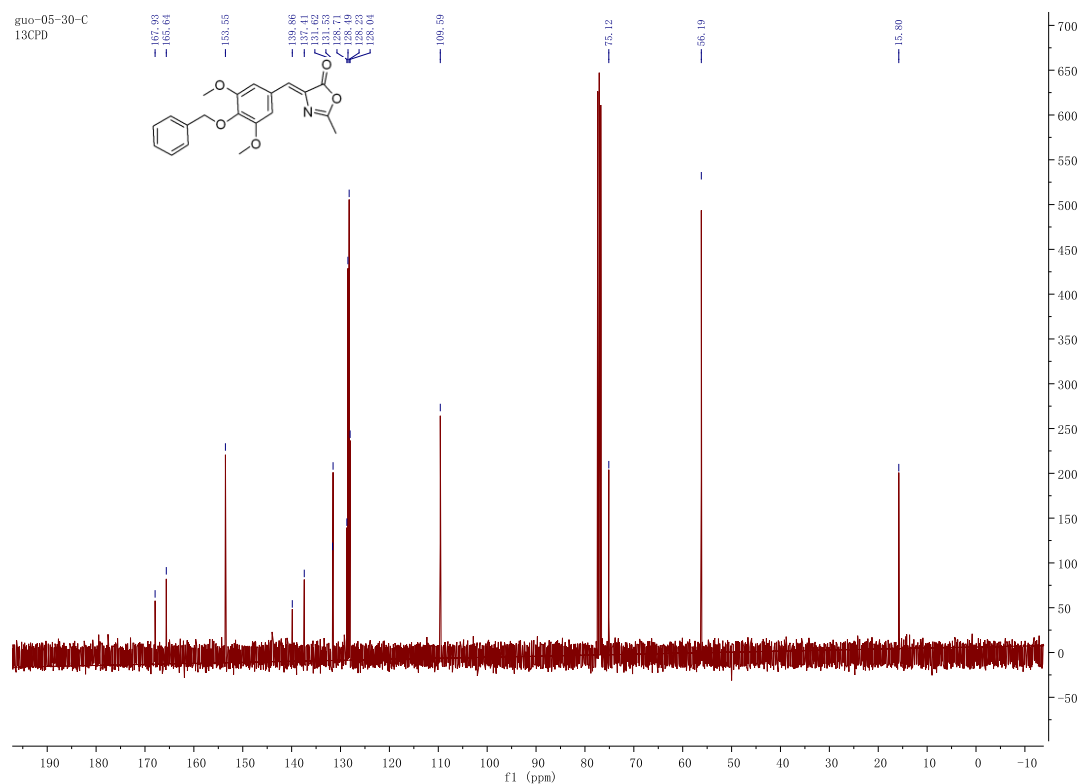
¹H NMR spectrum of 5a



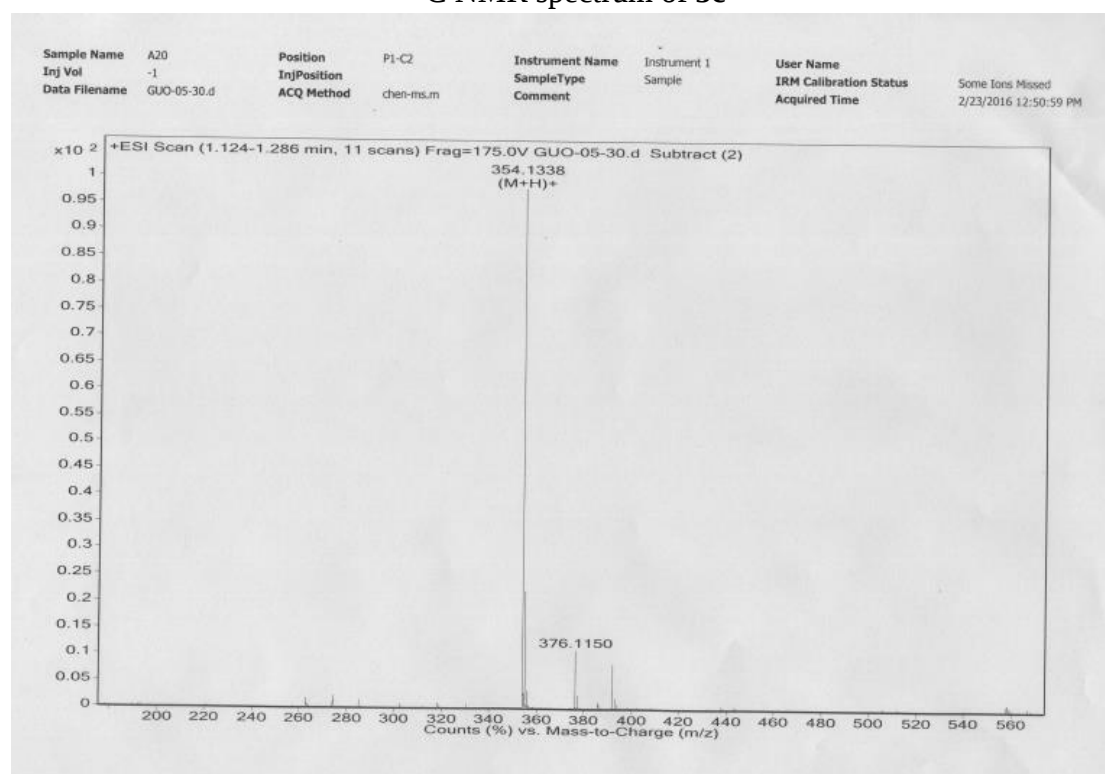
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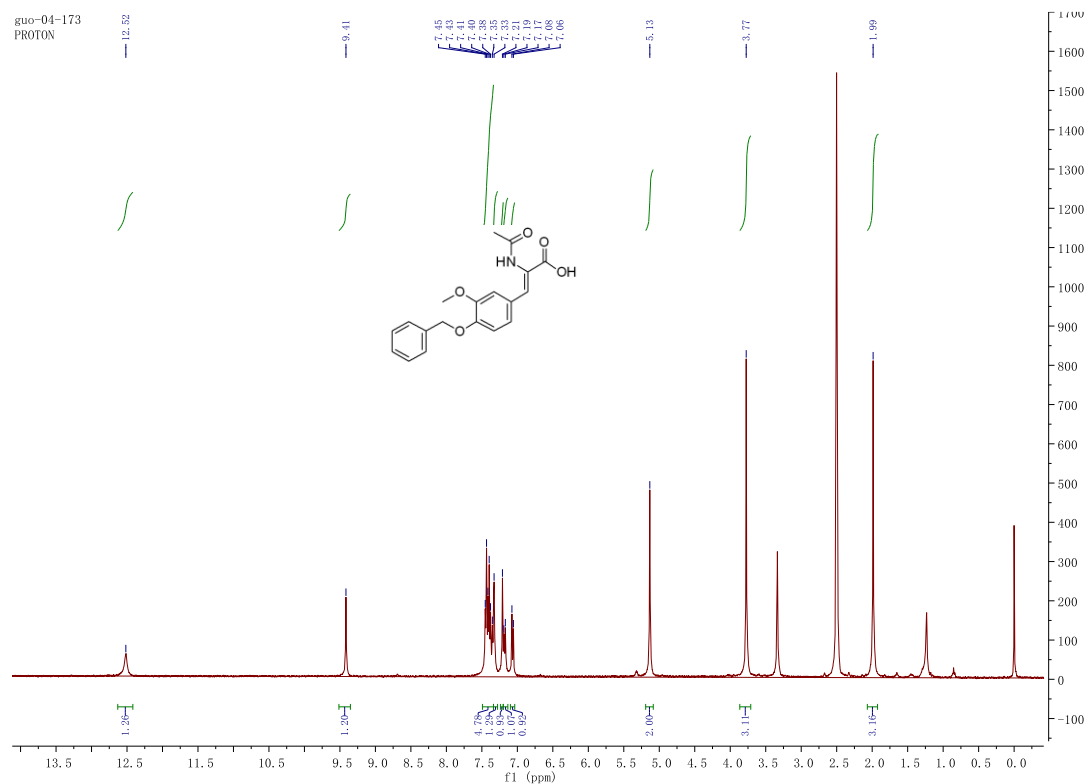
^1H NMR spectrum of **5c**



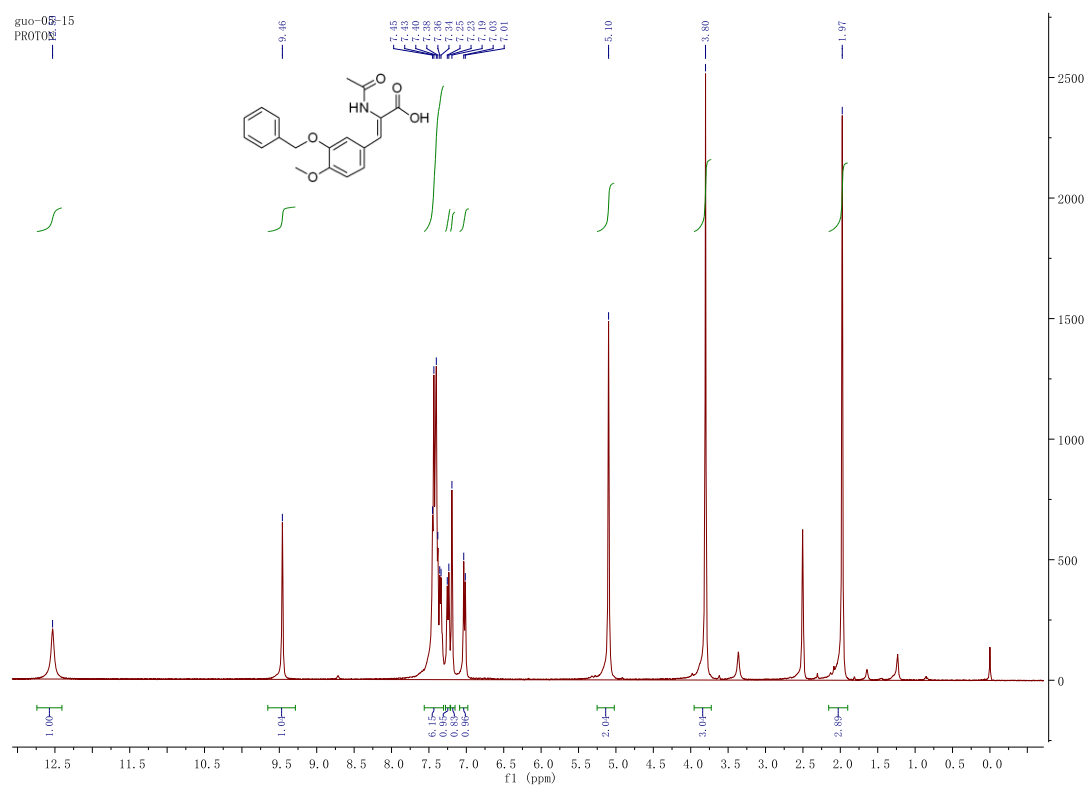
^{13}C NMR spectrum of 5c



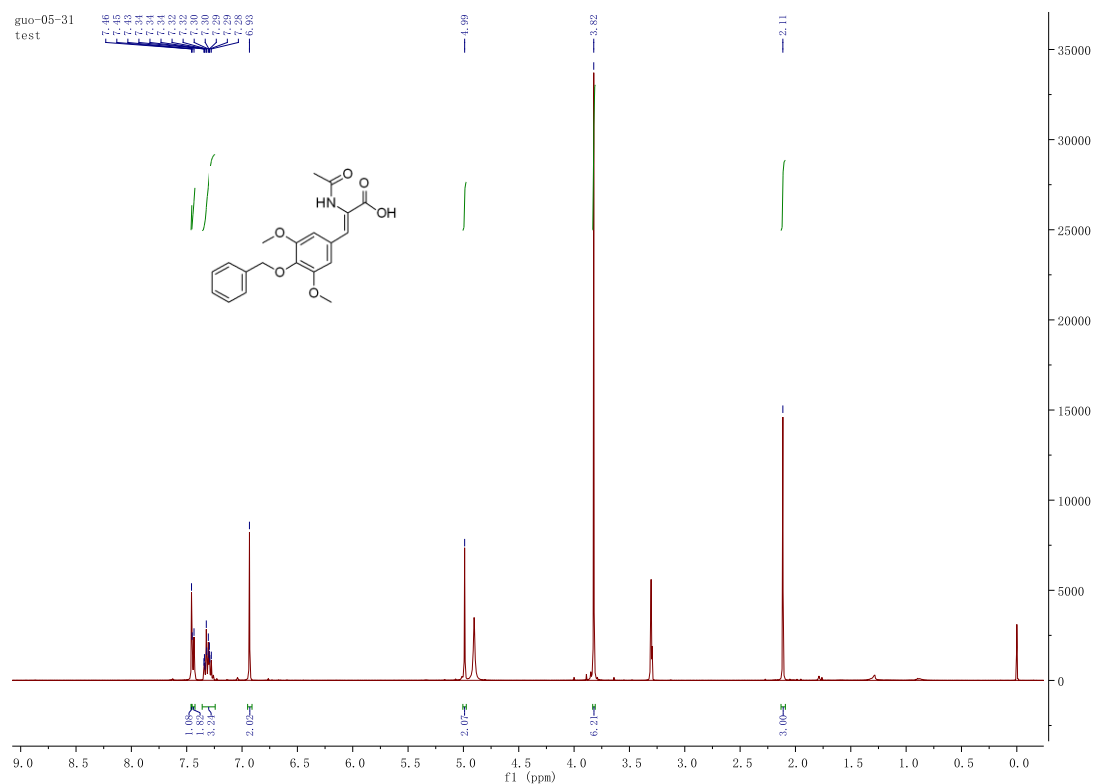
HRMS spectrum of 5c



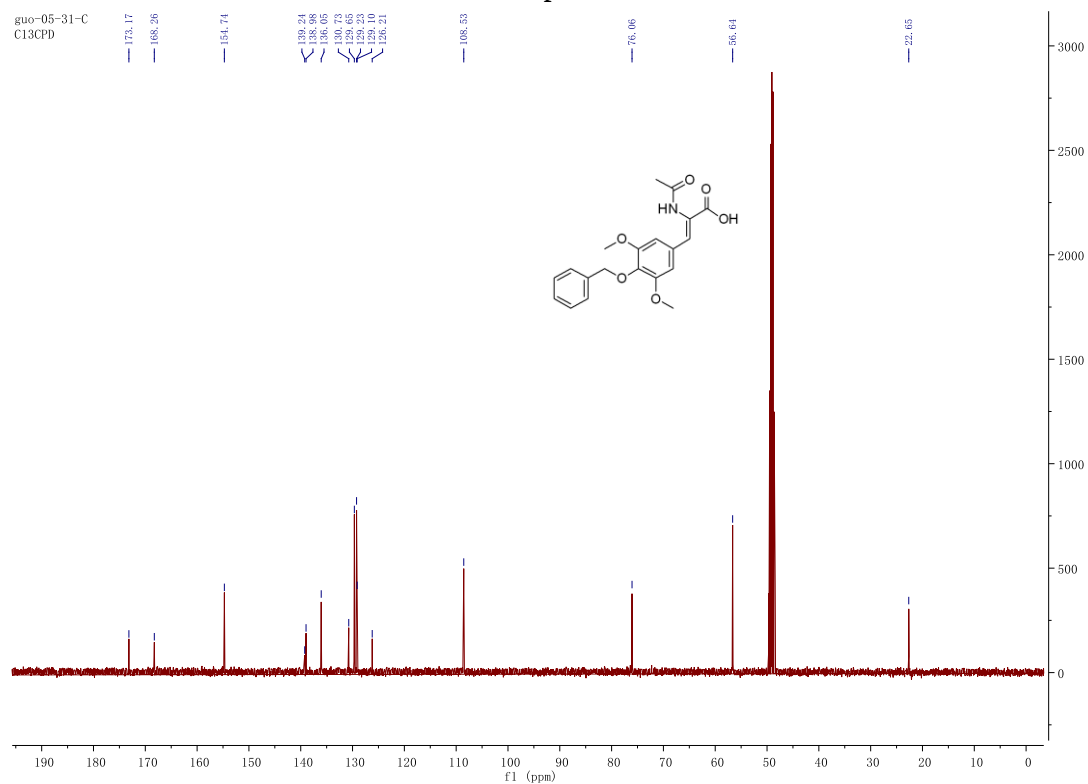
¹H NMR spectrum of **6a**



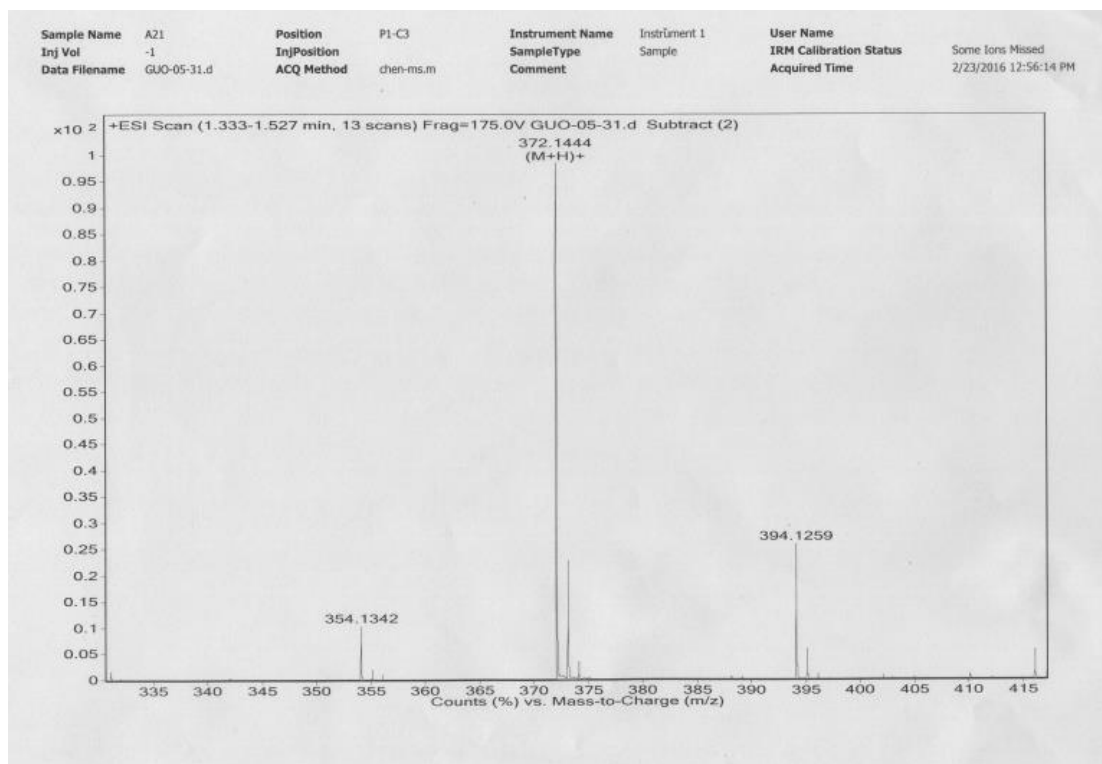
¹H NMR spectrum of **6b**



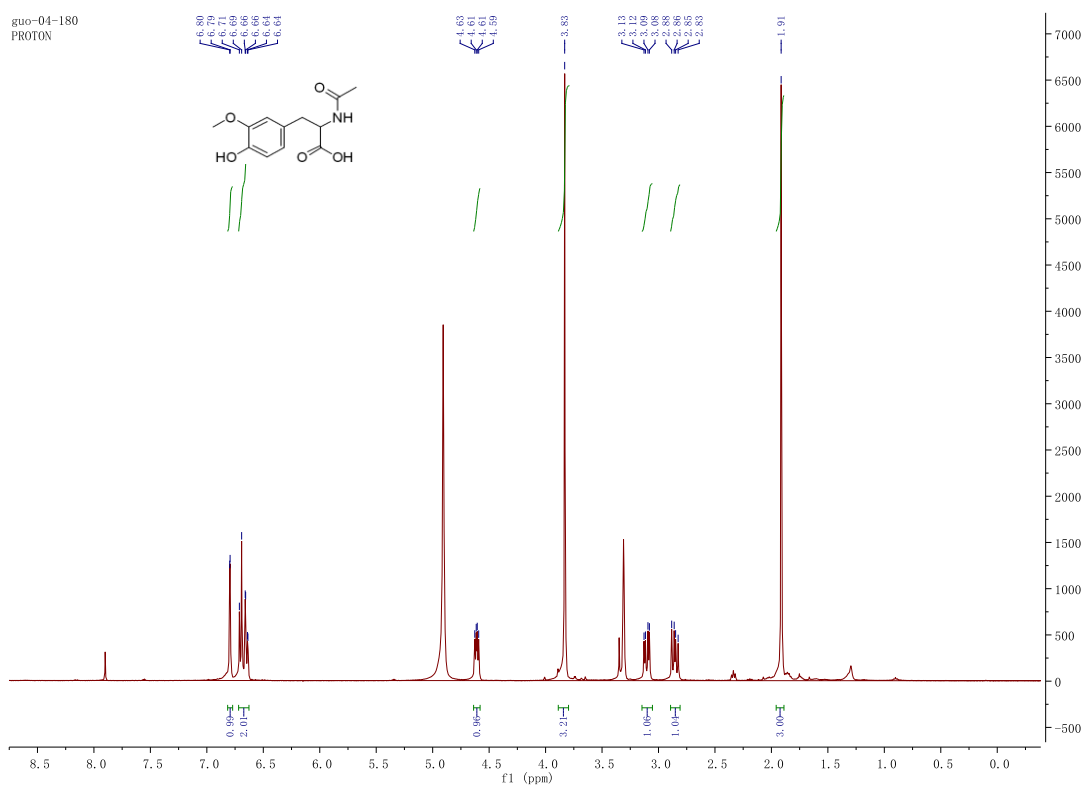
¹H NMR spectrum of 6c



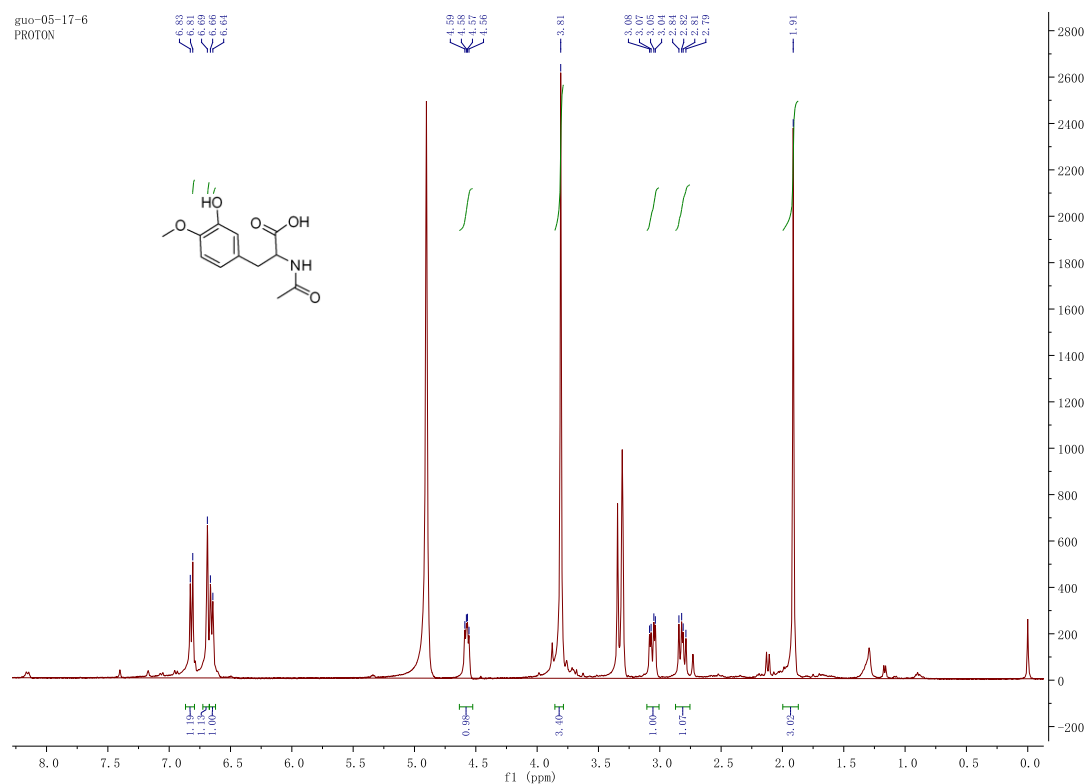
¹³C NMR spectrum of 6c



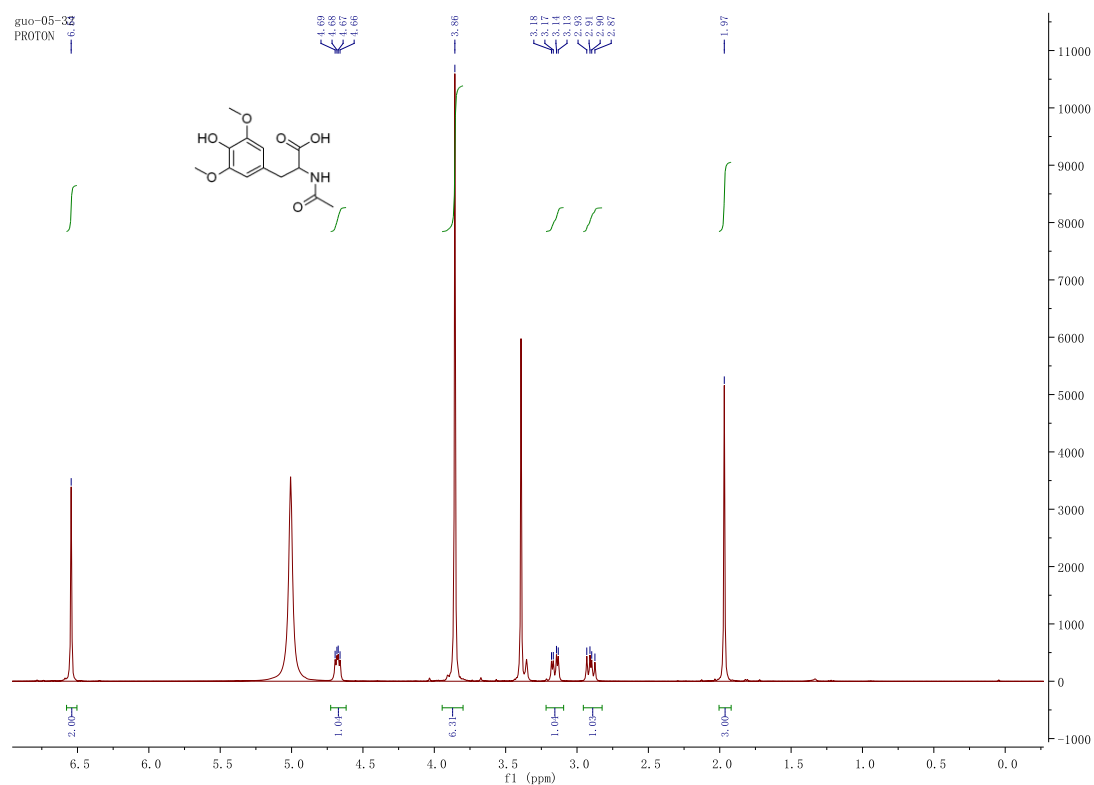
HRMS spectrum of **6c**



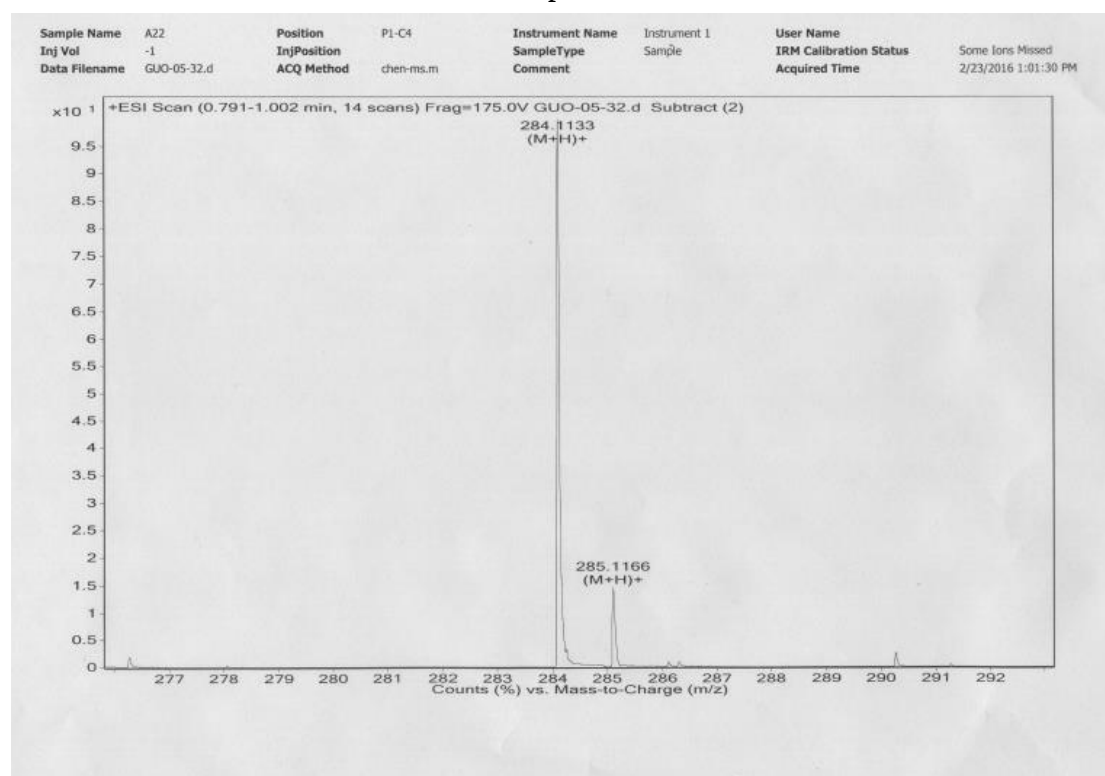
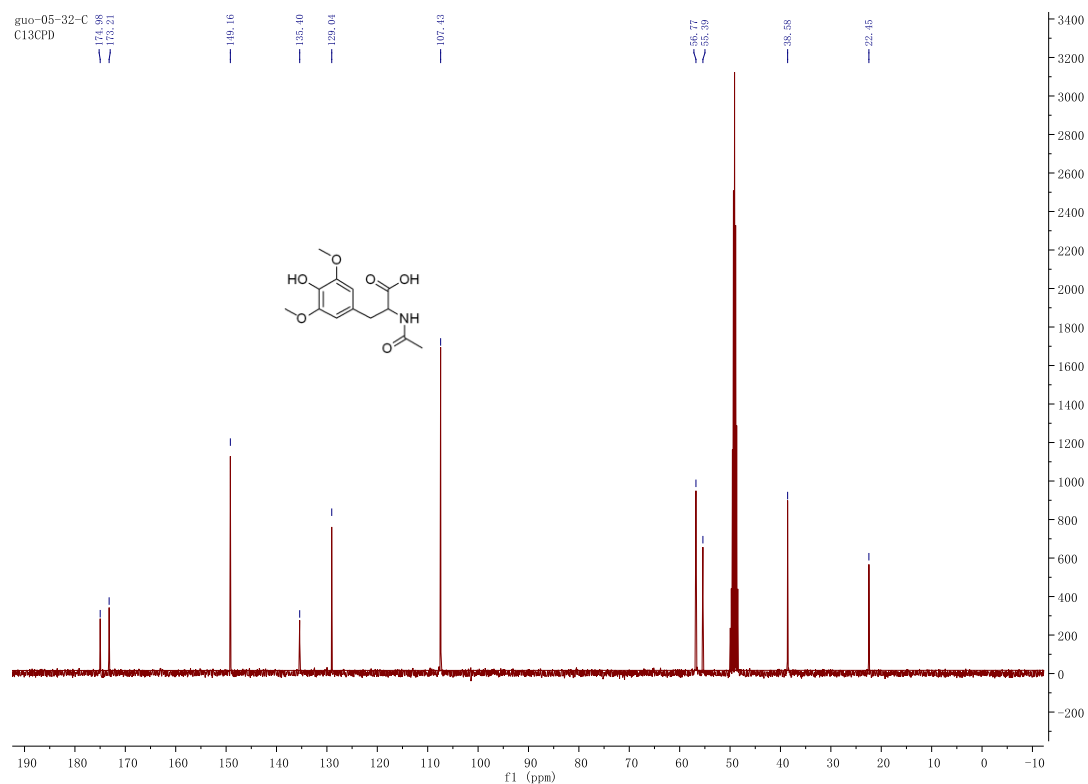
^1H NMR spectrum of **7a**

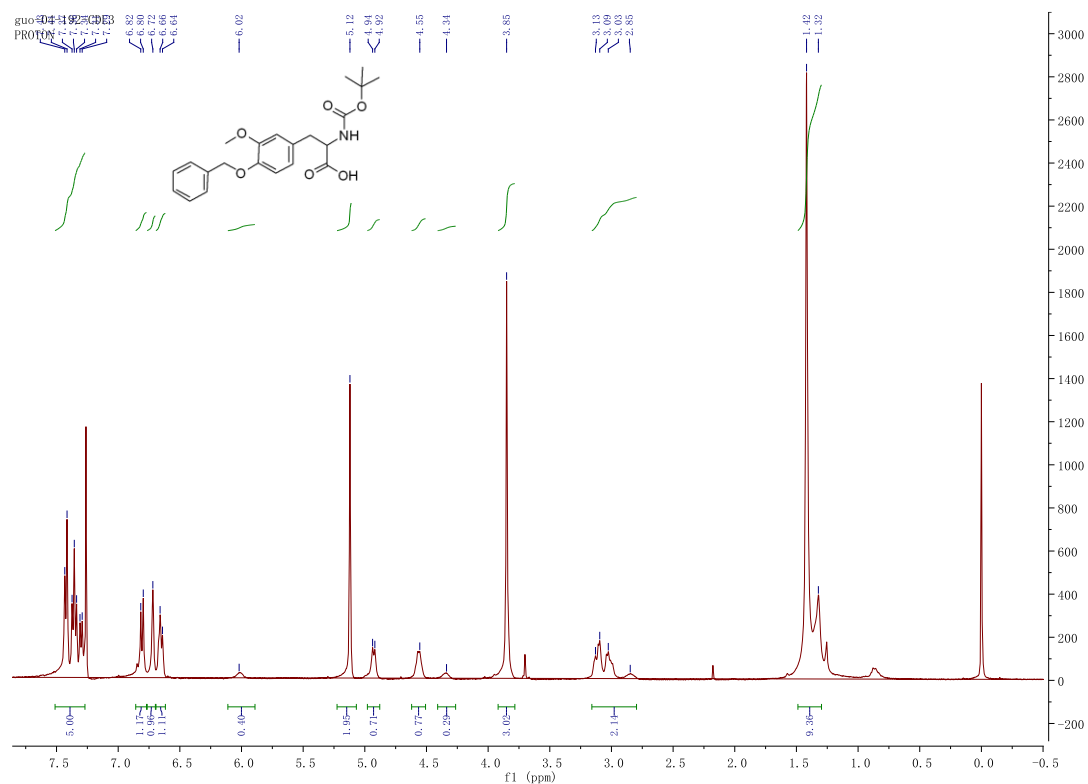


^1H NMR spectrum of **7b**

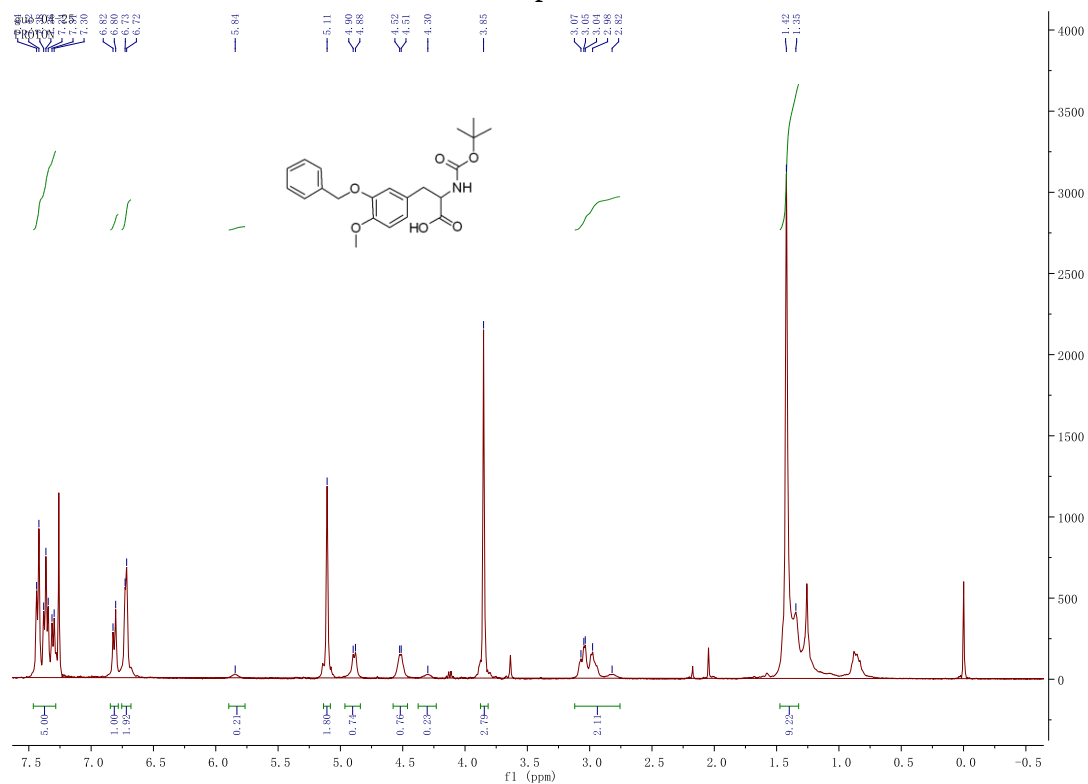


^1H NMR spectrum of **7c**

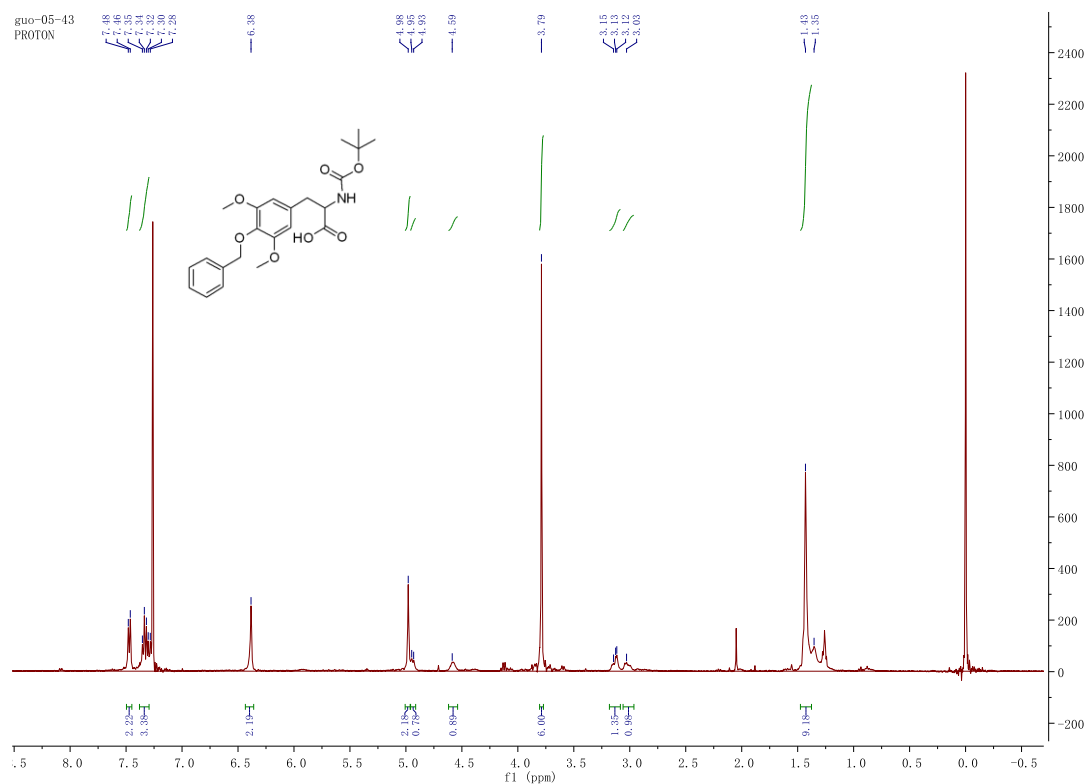




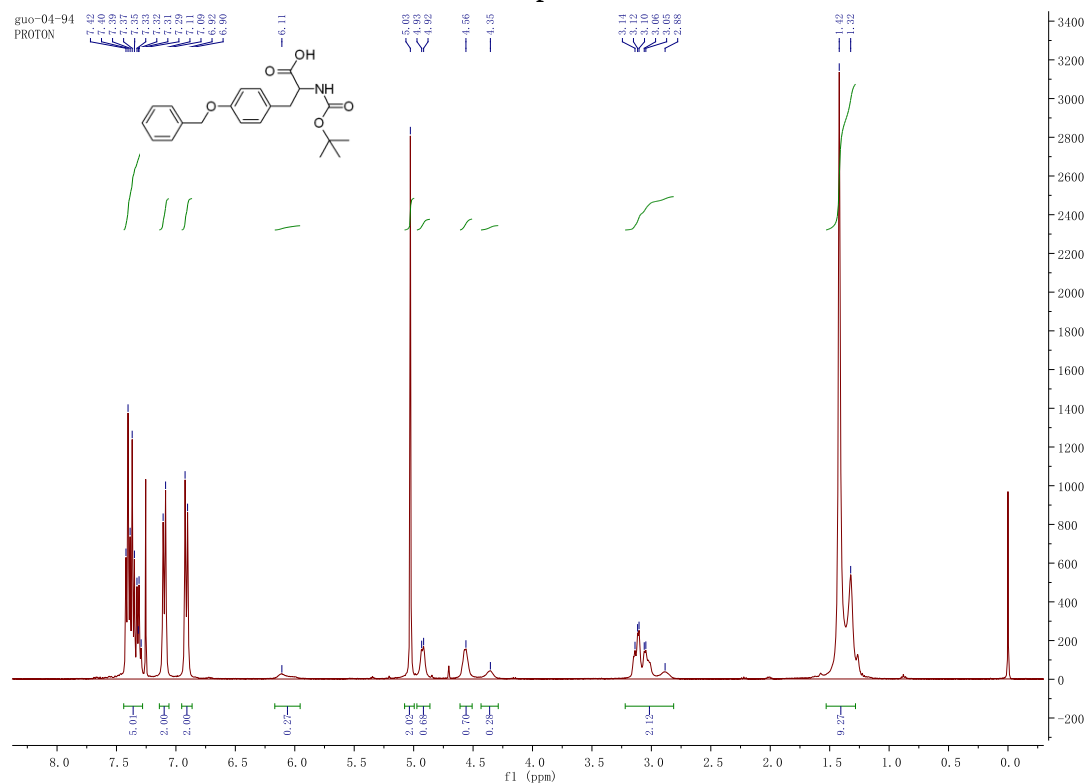
^1H NMR spectrum of **10a**



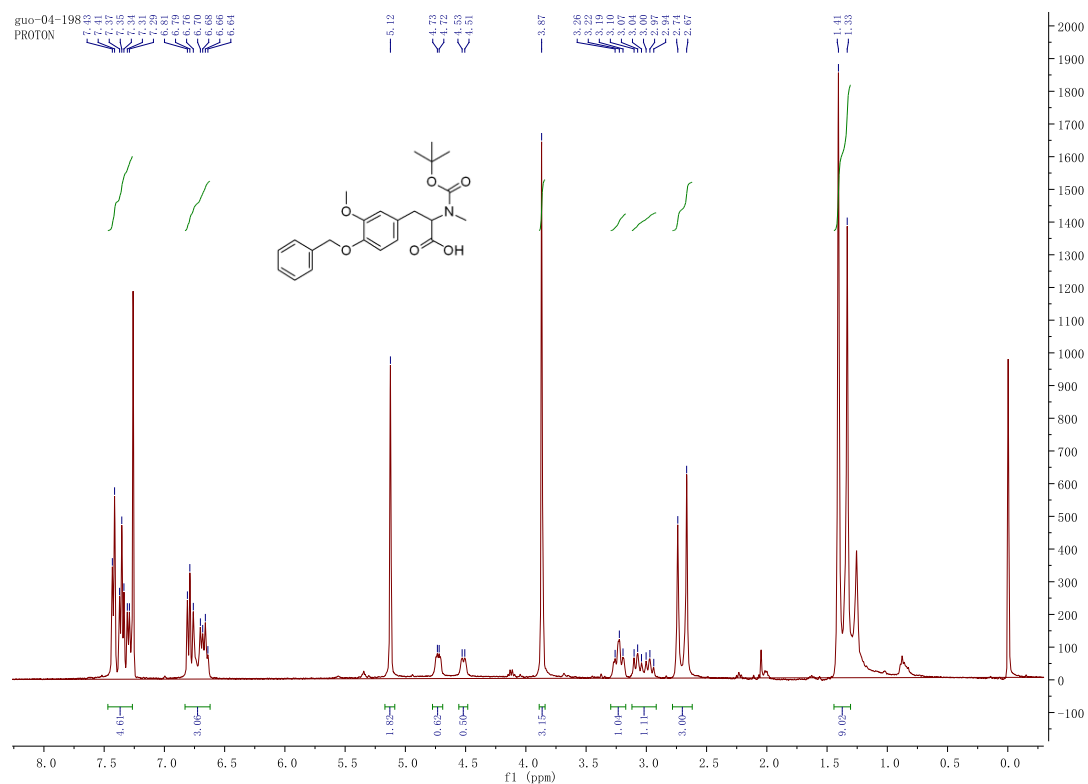
^1H NMR spectrum of **10b**



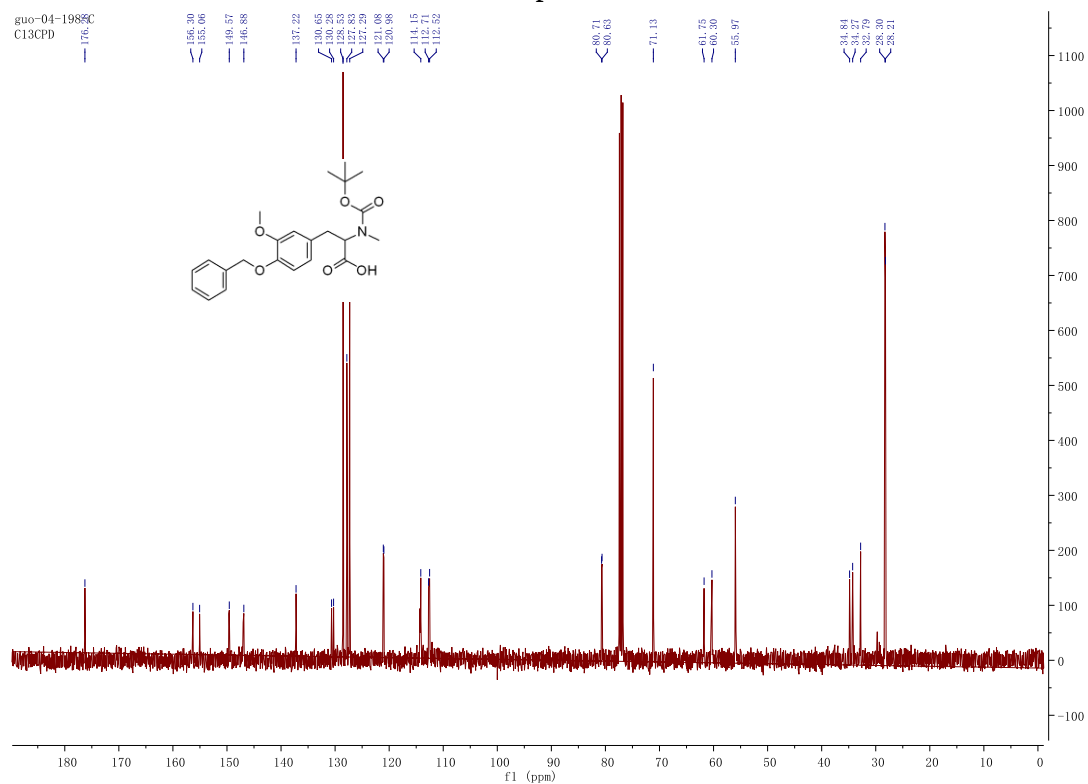
¹H NMR spectrum of 10c



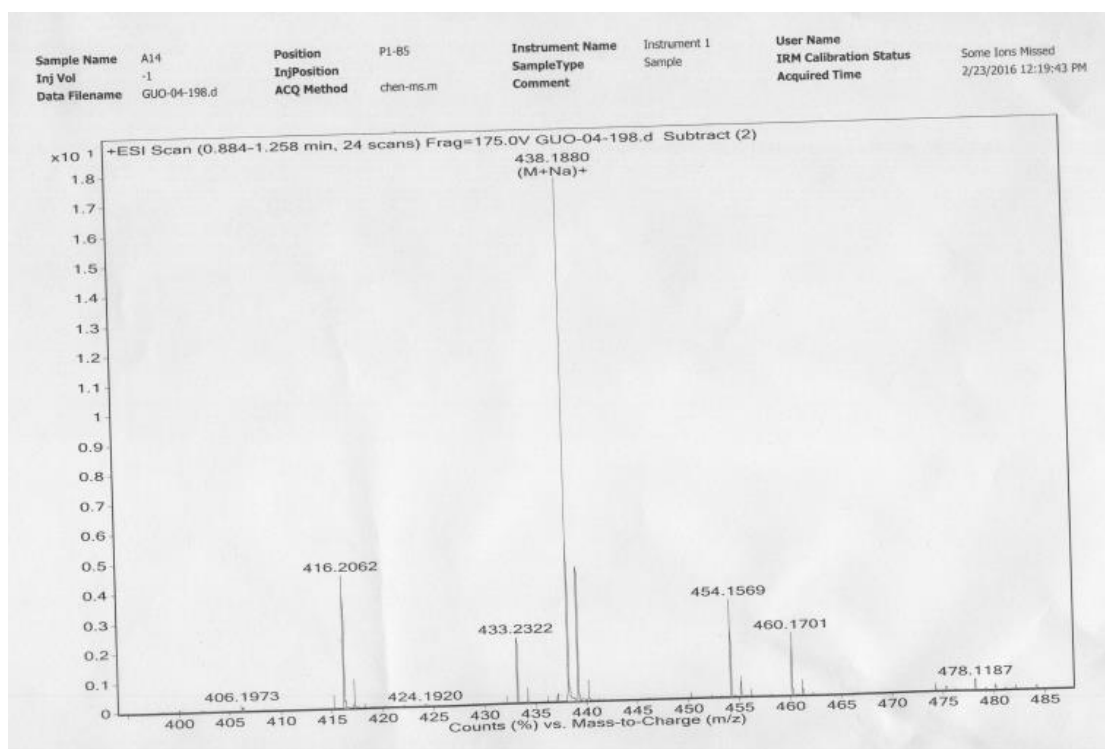
¹H NMR spectrum of 10d



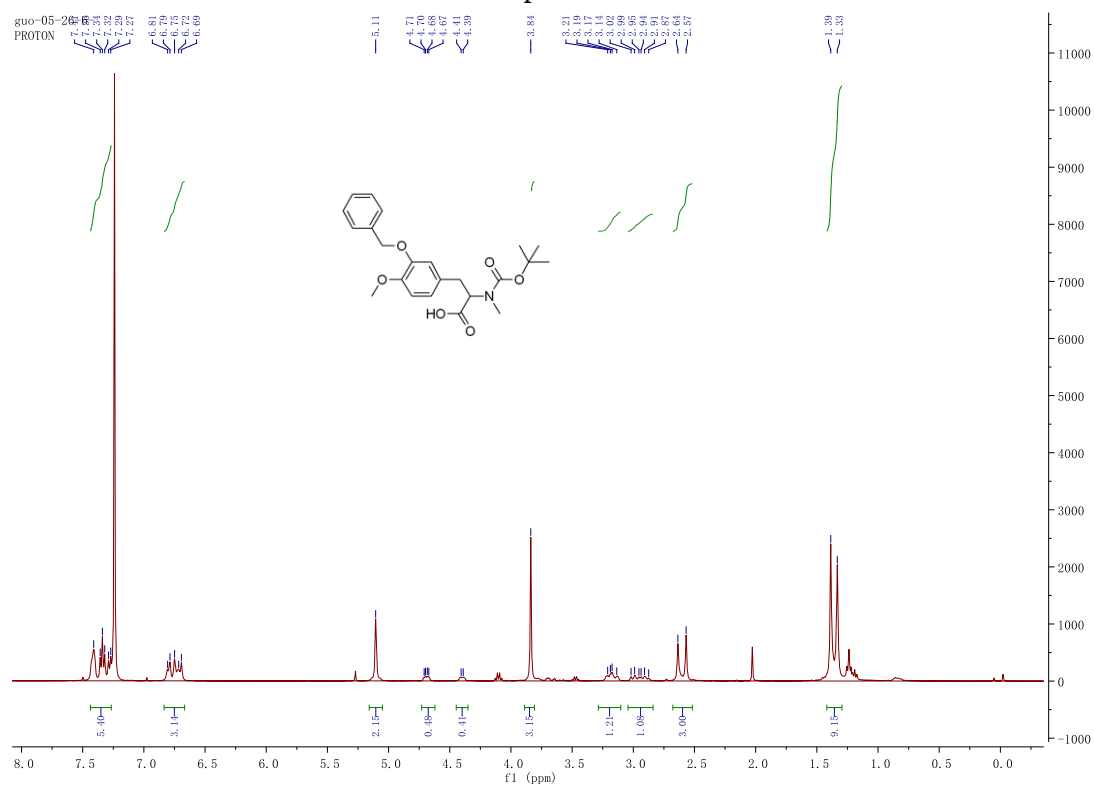
¹H NMR spectrum of **11a**



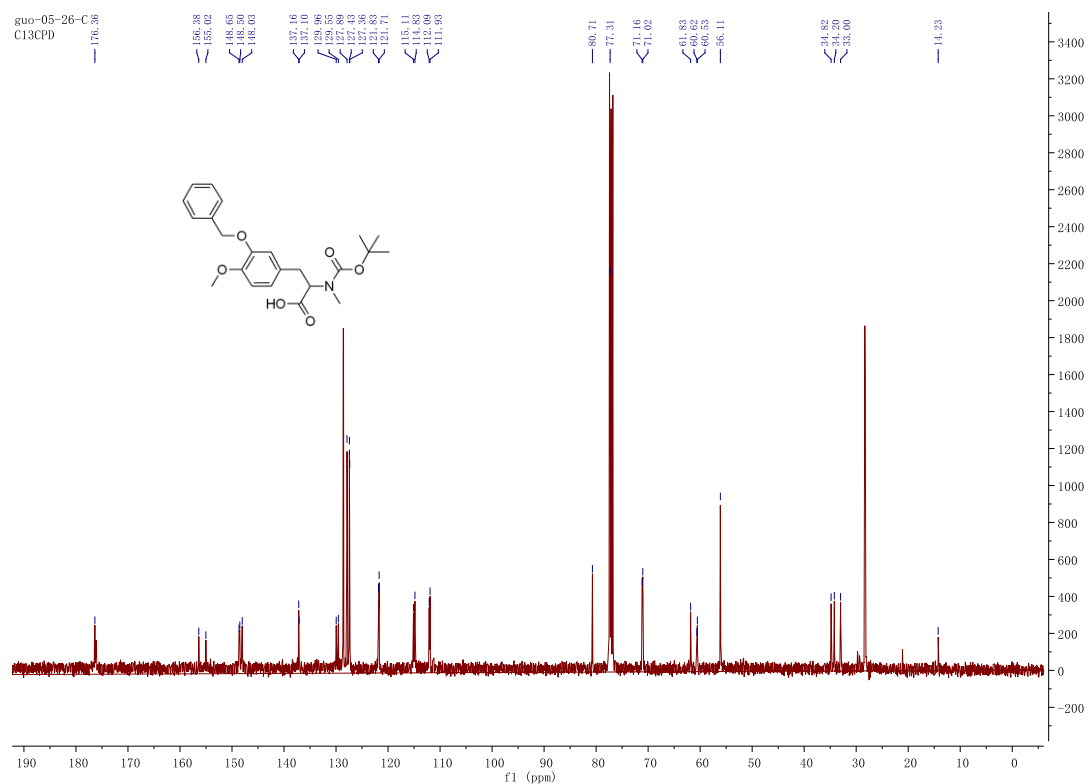
¹³C NMR spectrum of **11a**



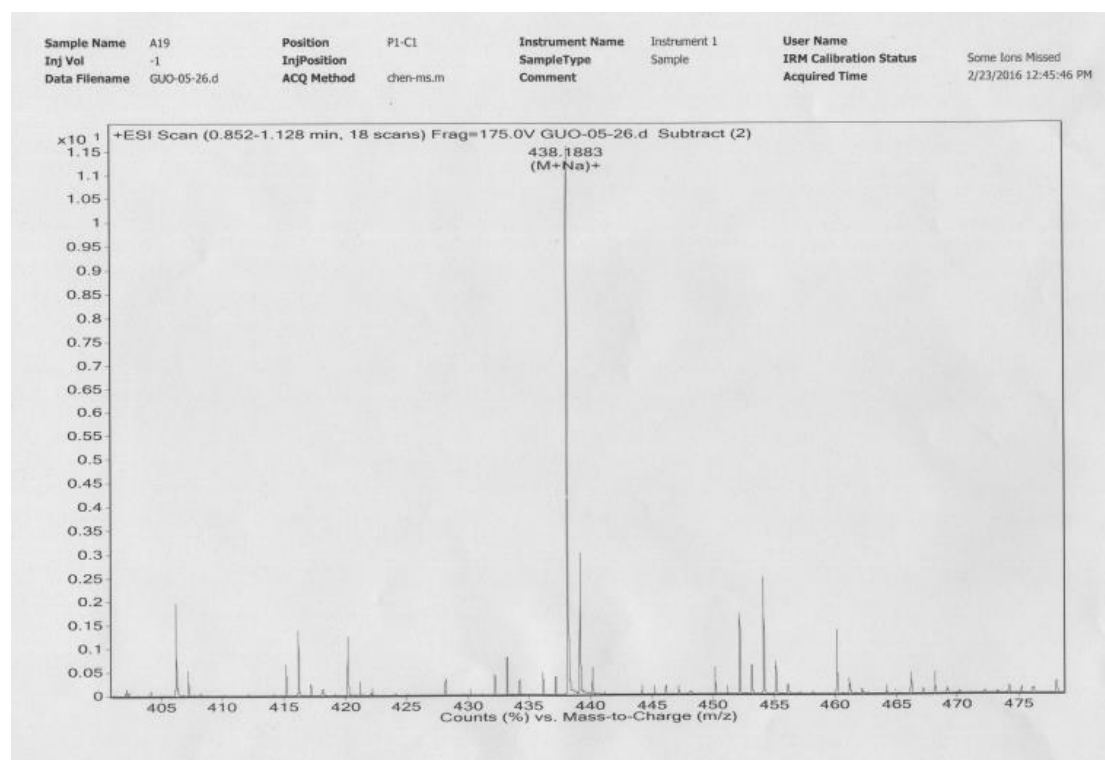
HRMS spectrum of **11a**



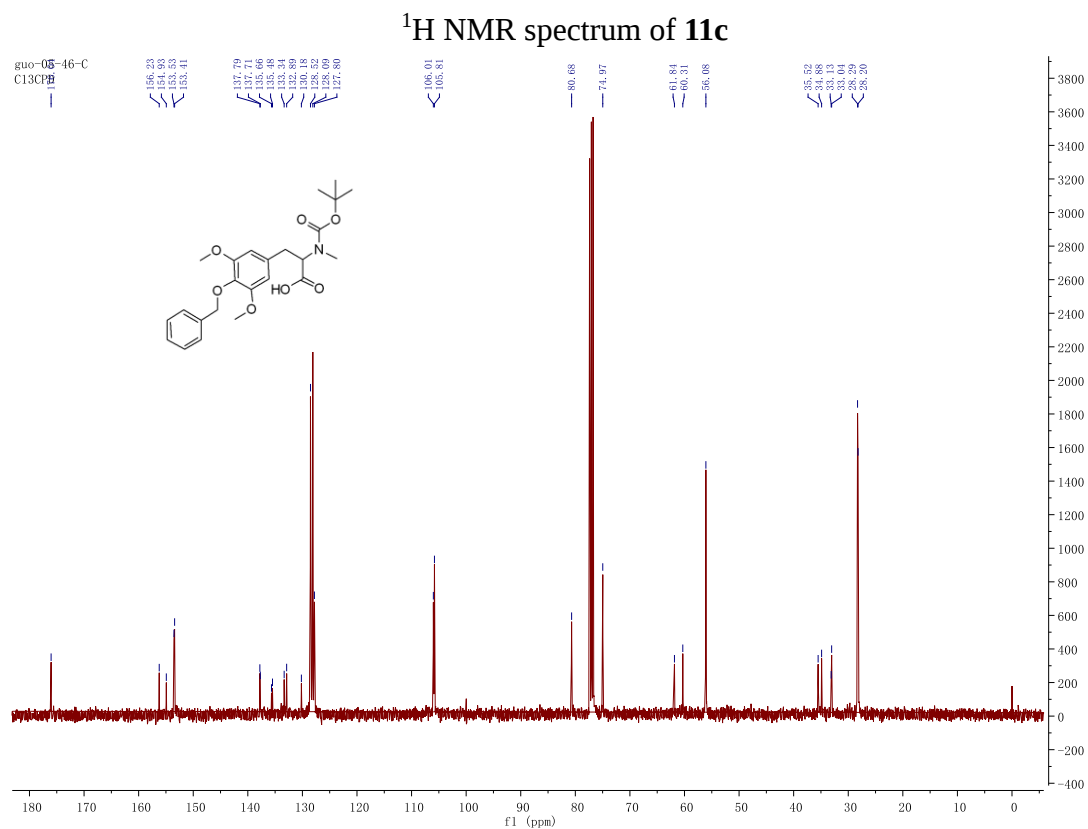
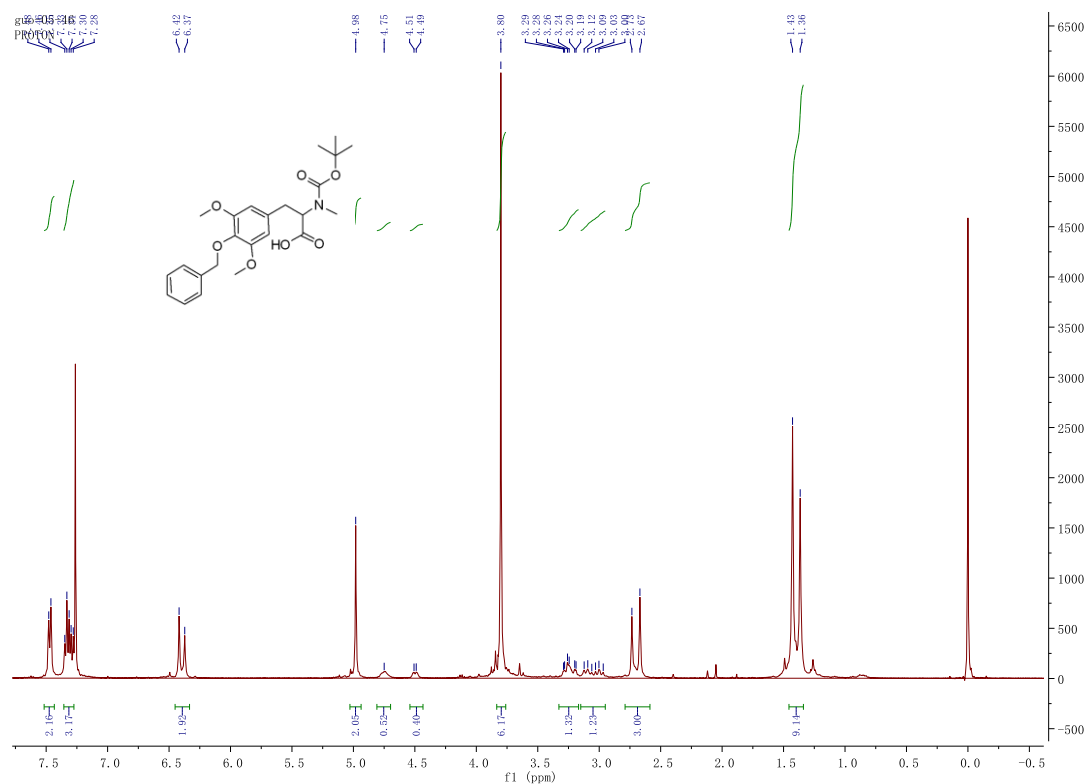
^1H NMR spectrum of **11b**

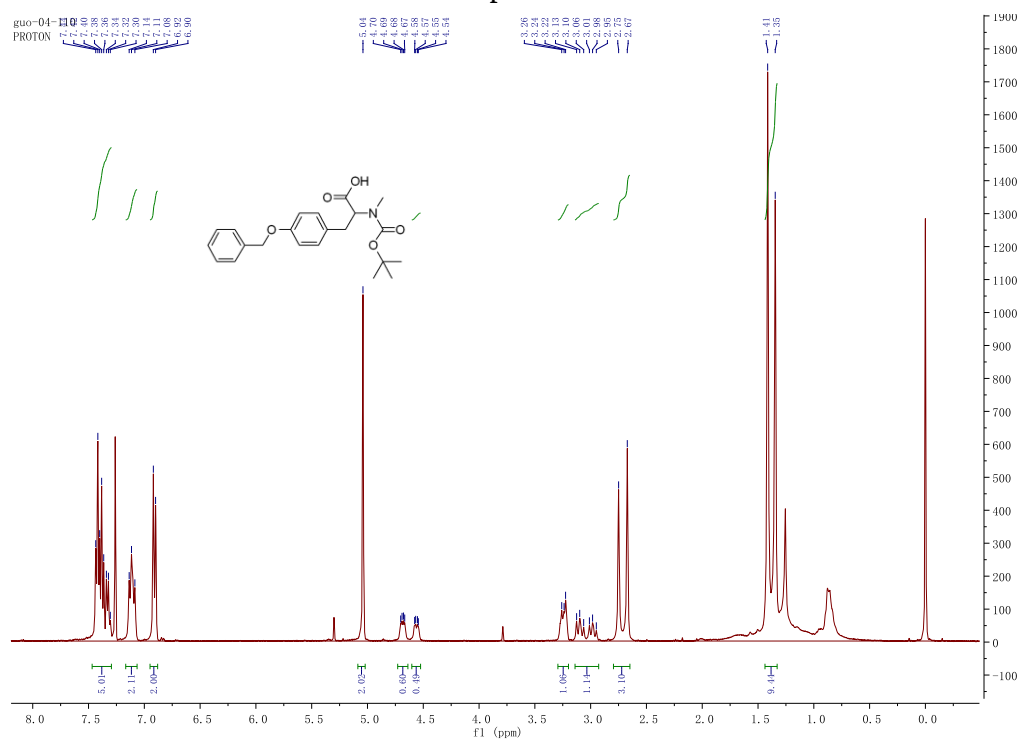
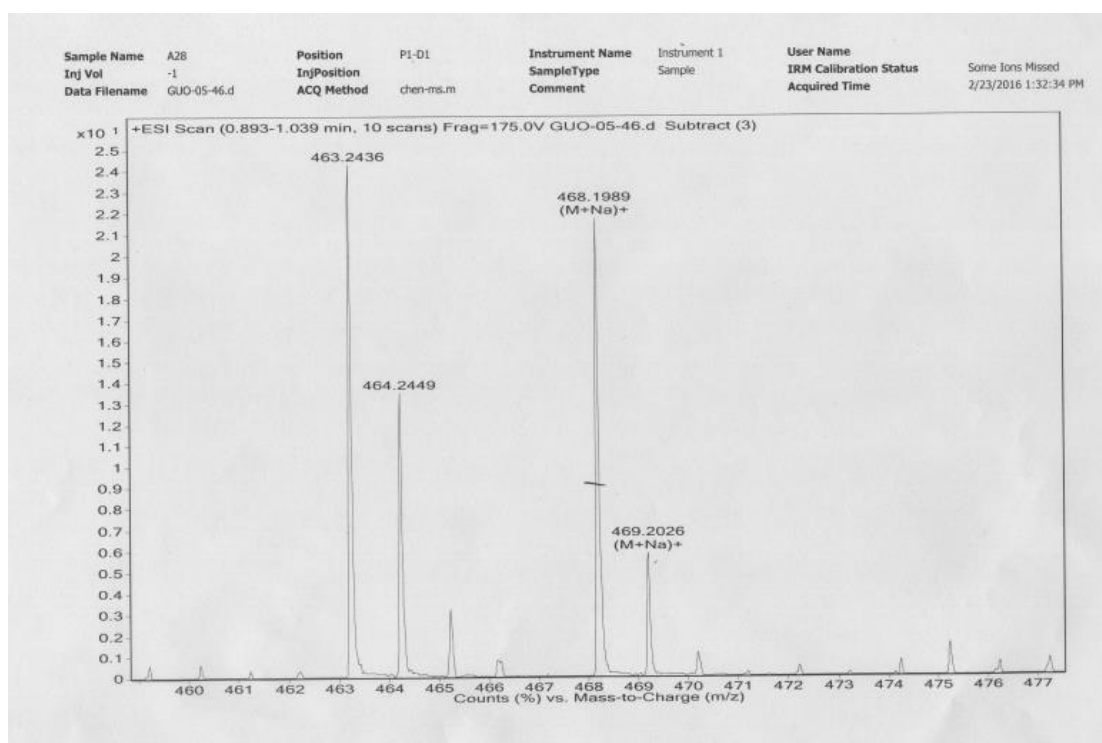


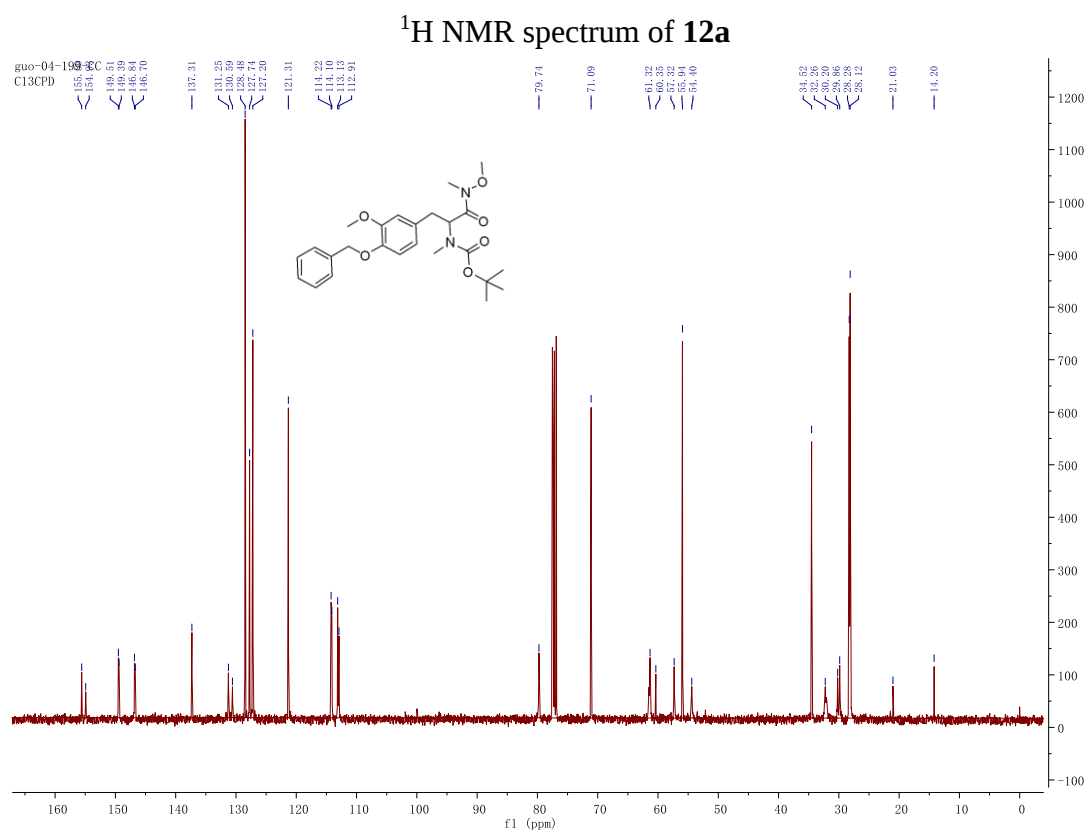
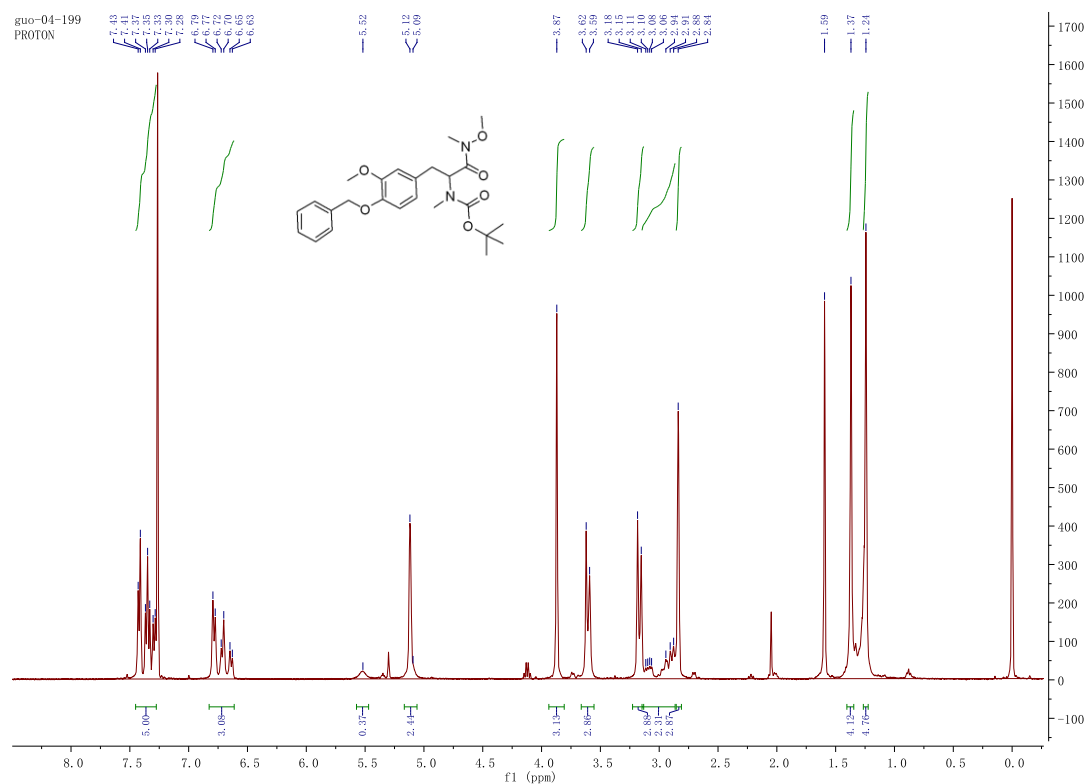
^{13}C NMR spectrum of **11b**

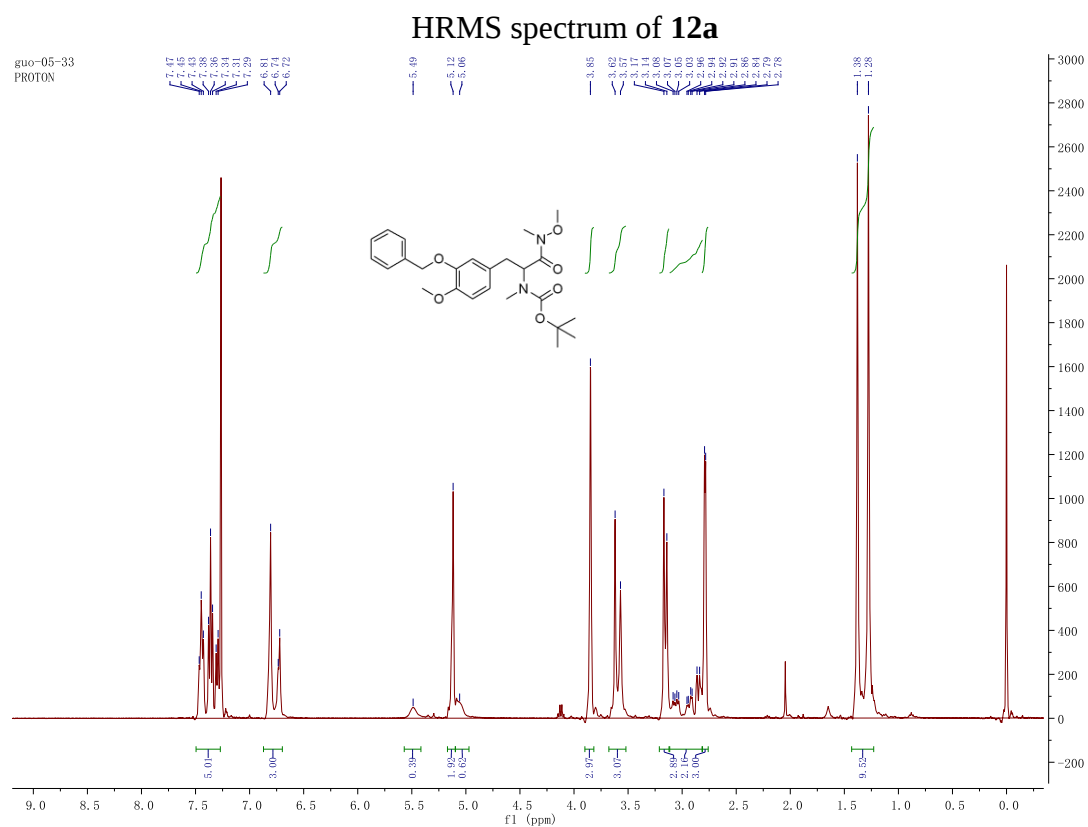
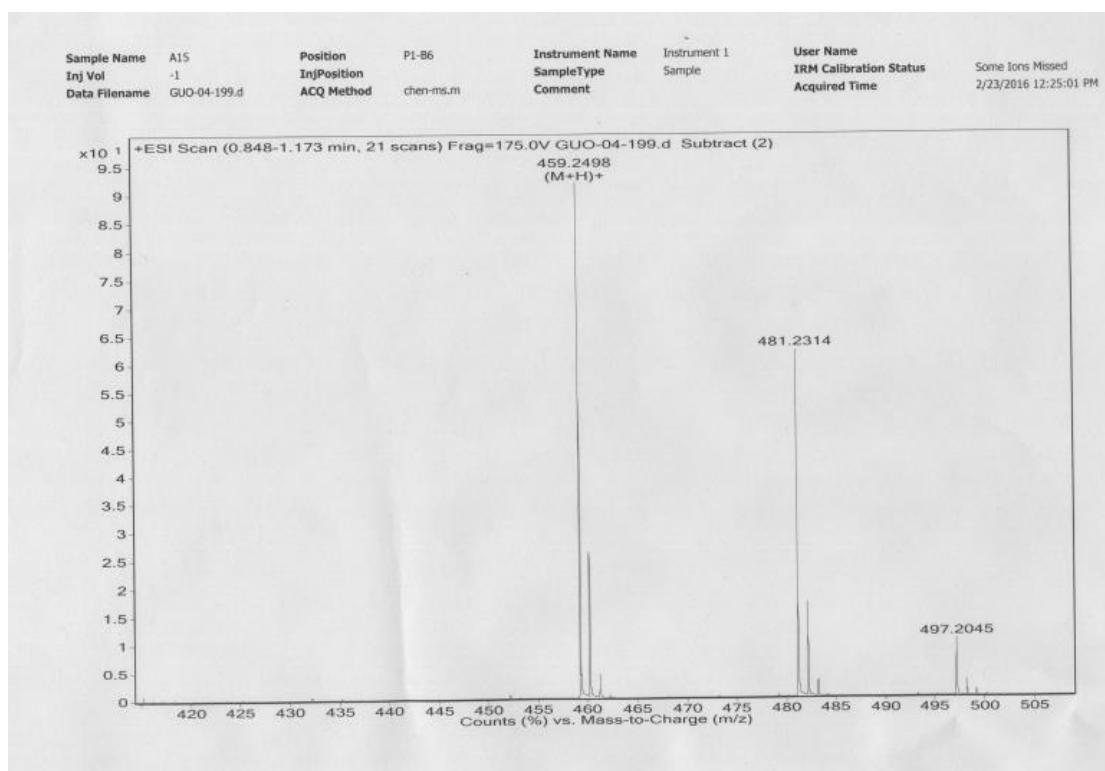


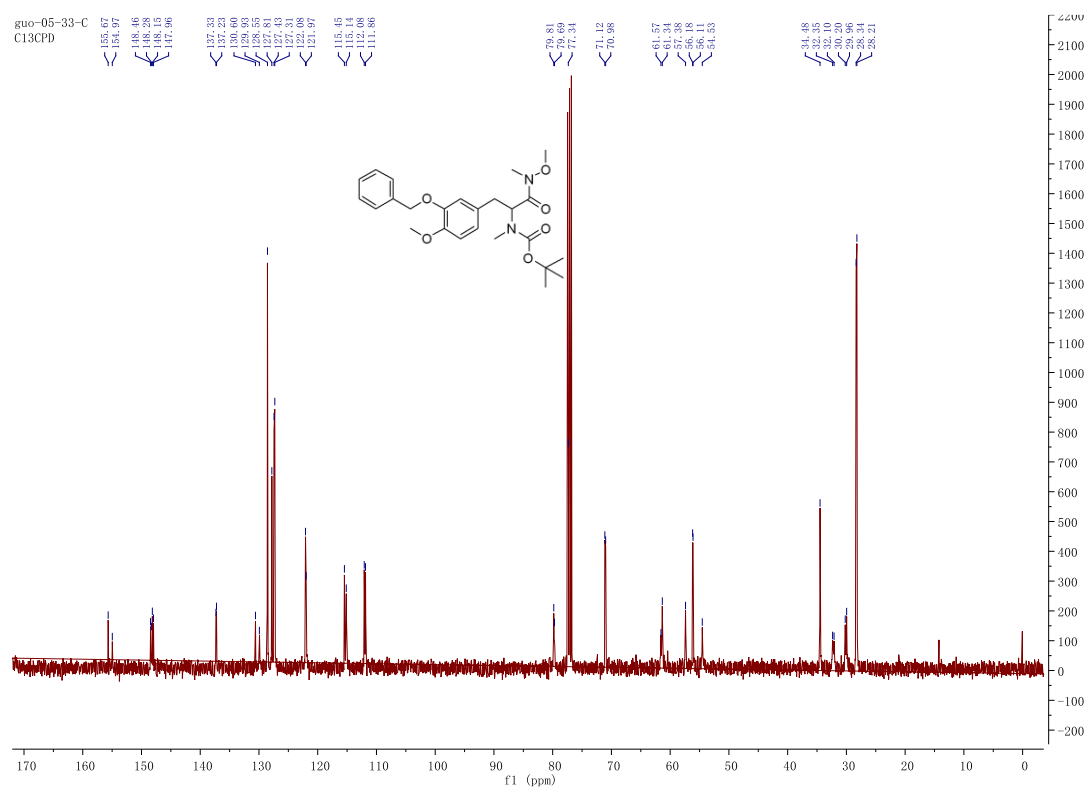
HRMS spectrum of **11b**



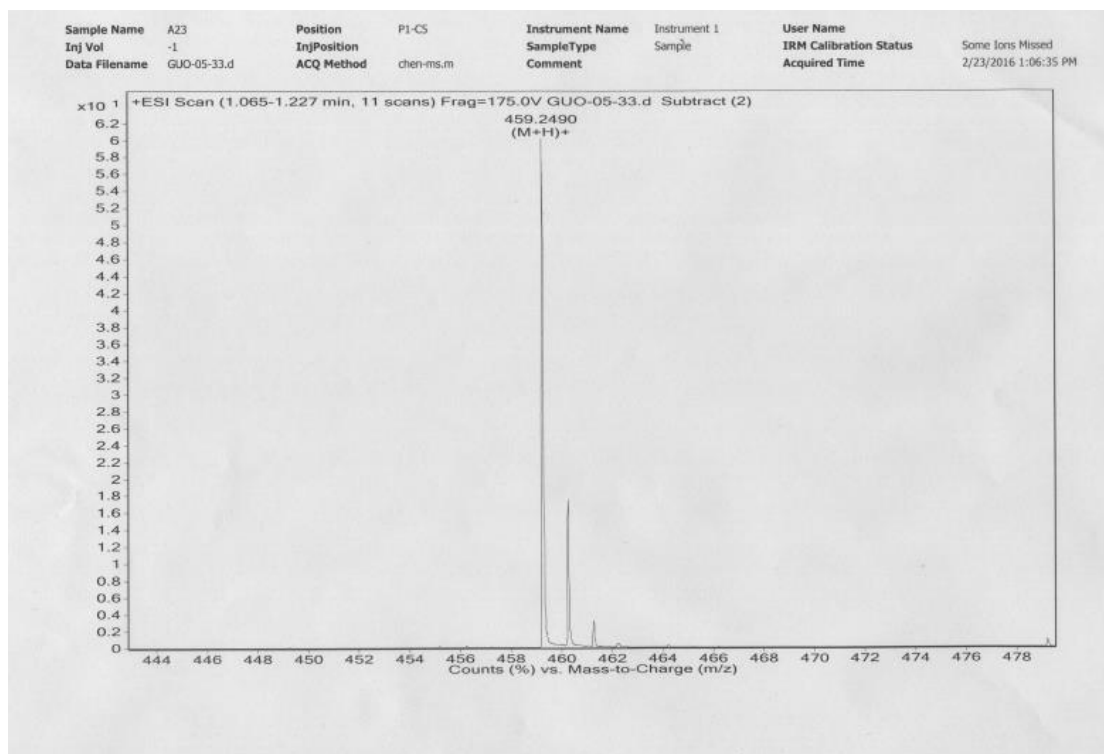




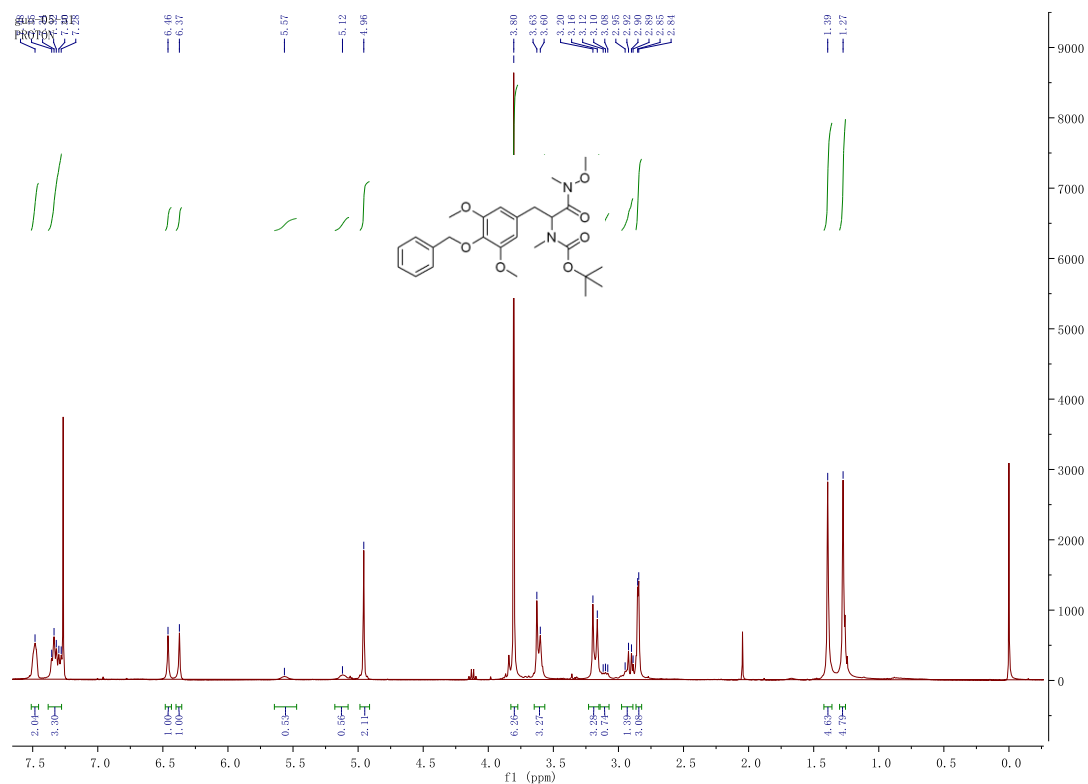




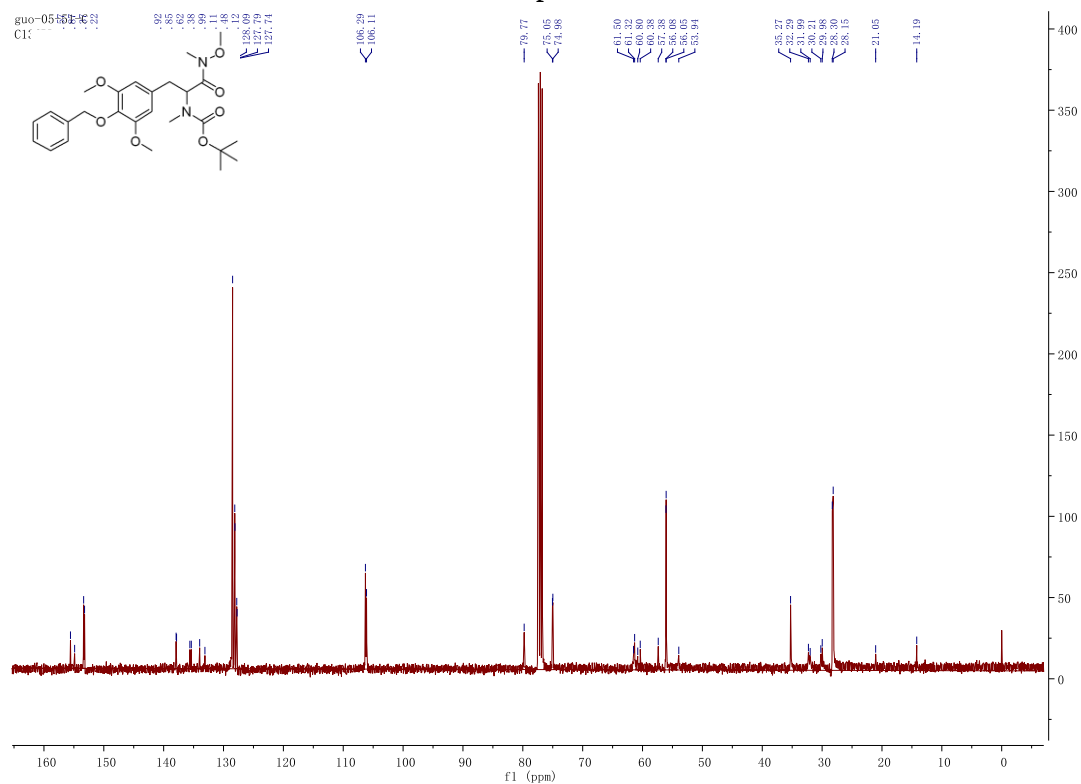
^{13}C NMR spectrum of **12b**



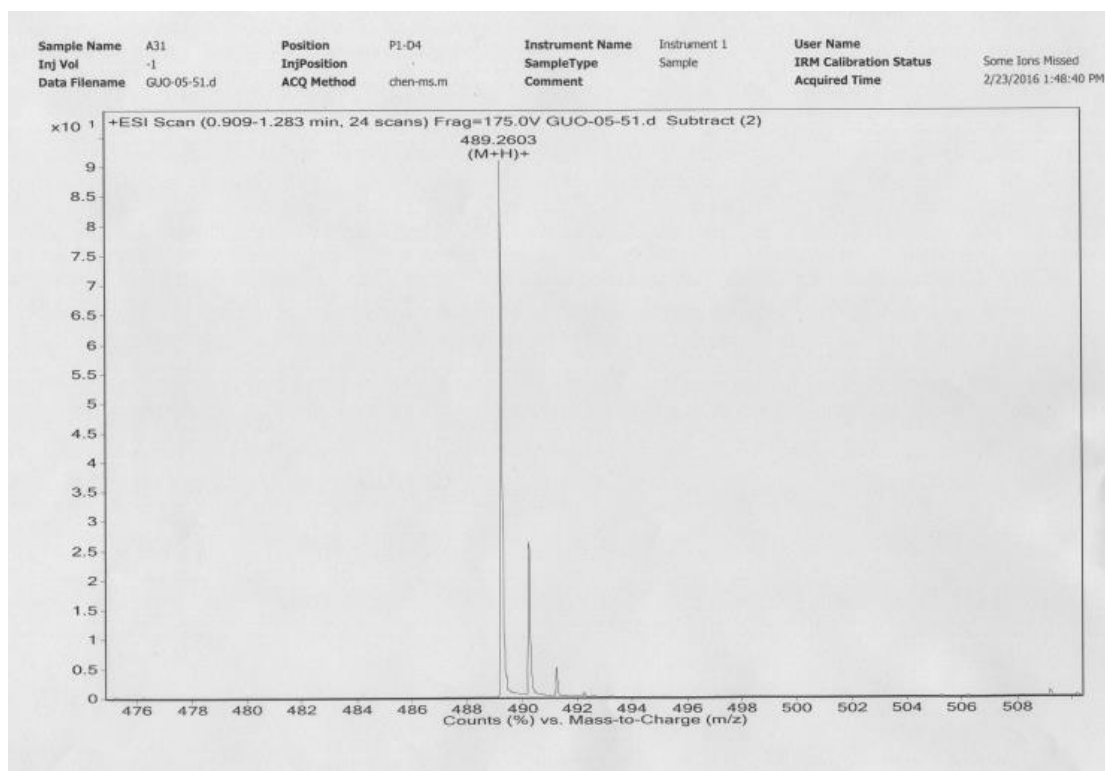
HRMS spectrum of **12b**



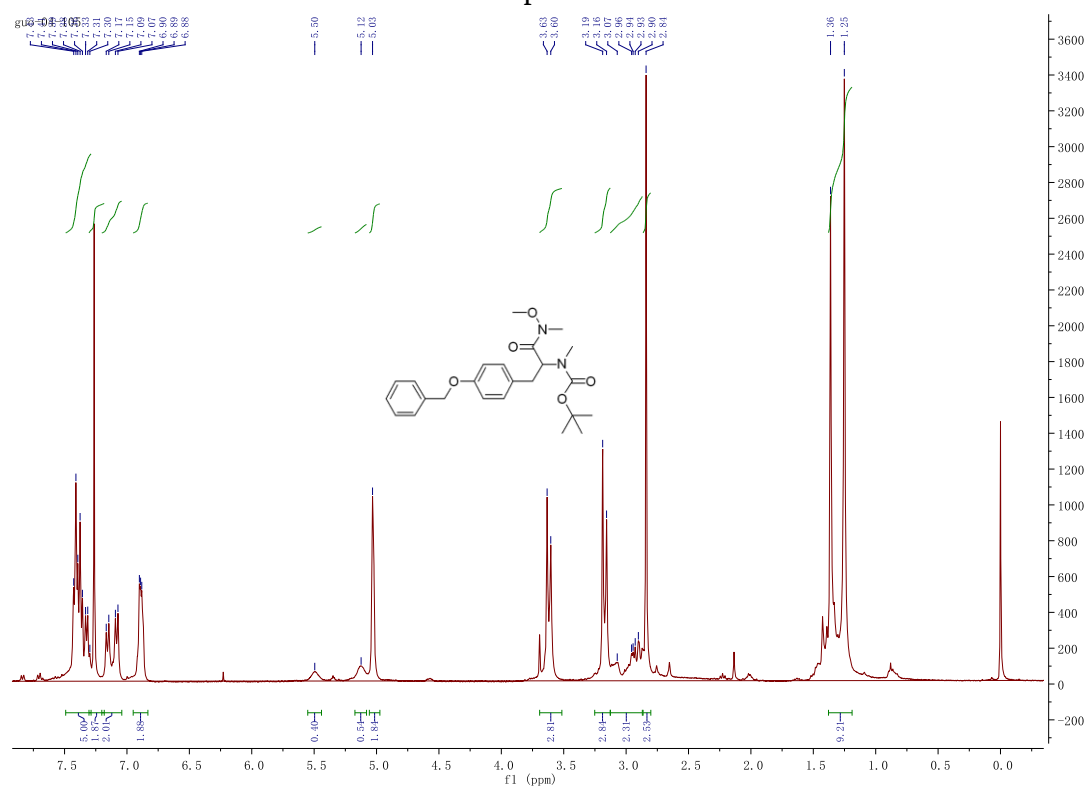
^1H NMR spectrum of 12c



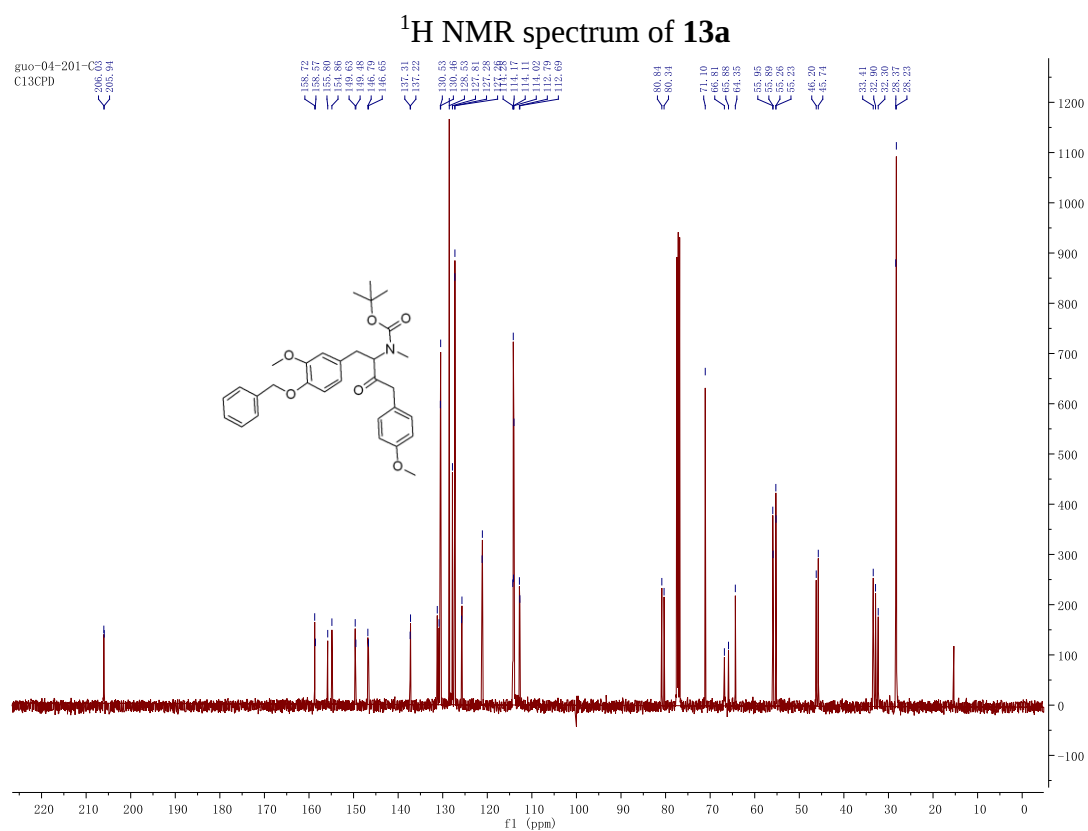
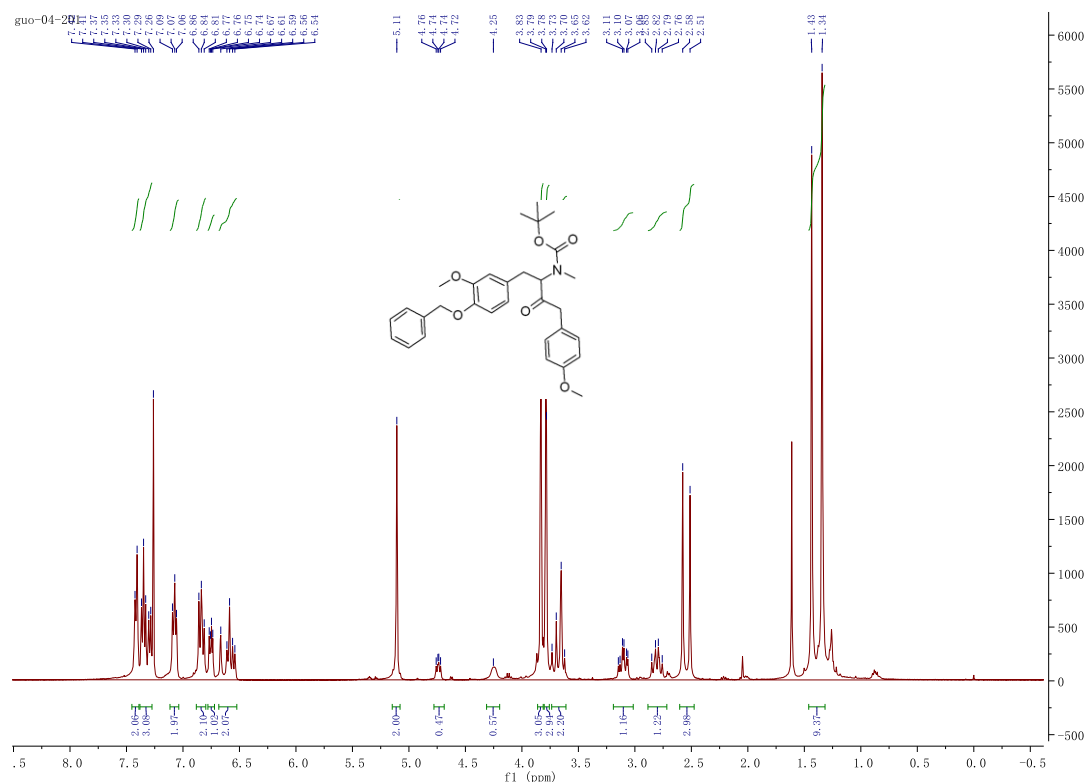
^{13}C NMR spectrum of 12c

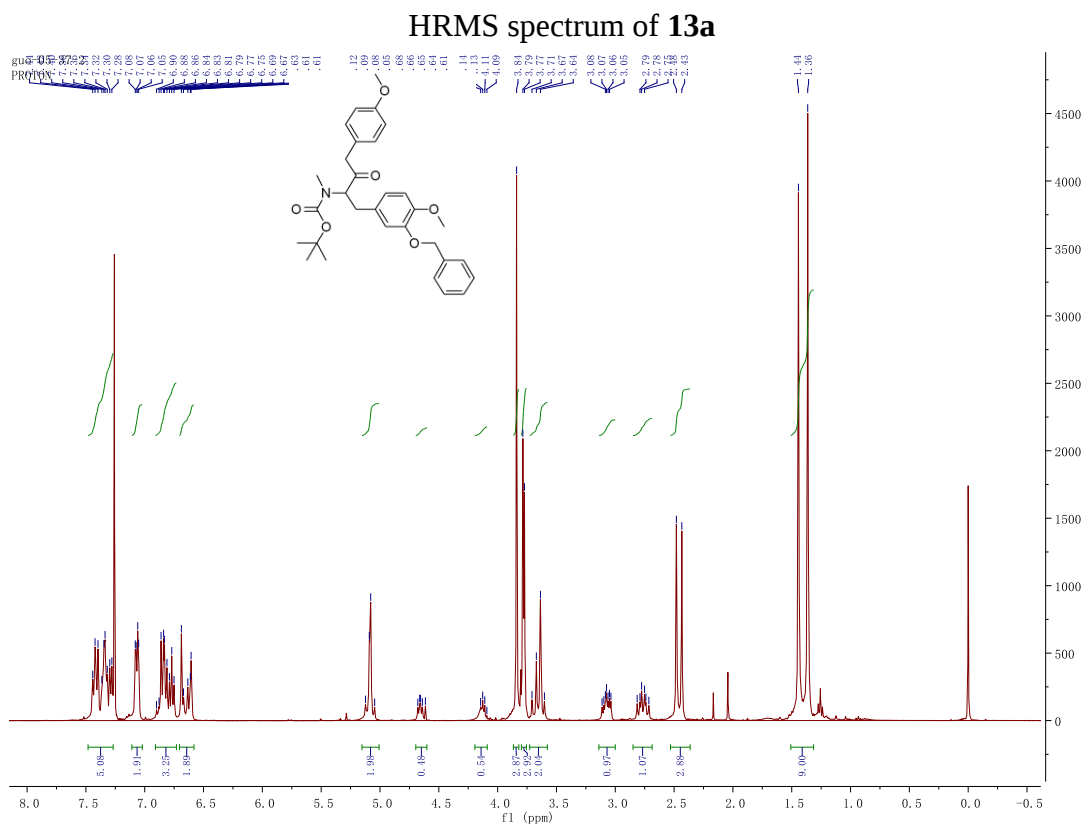
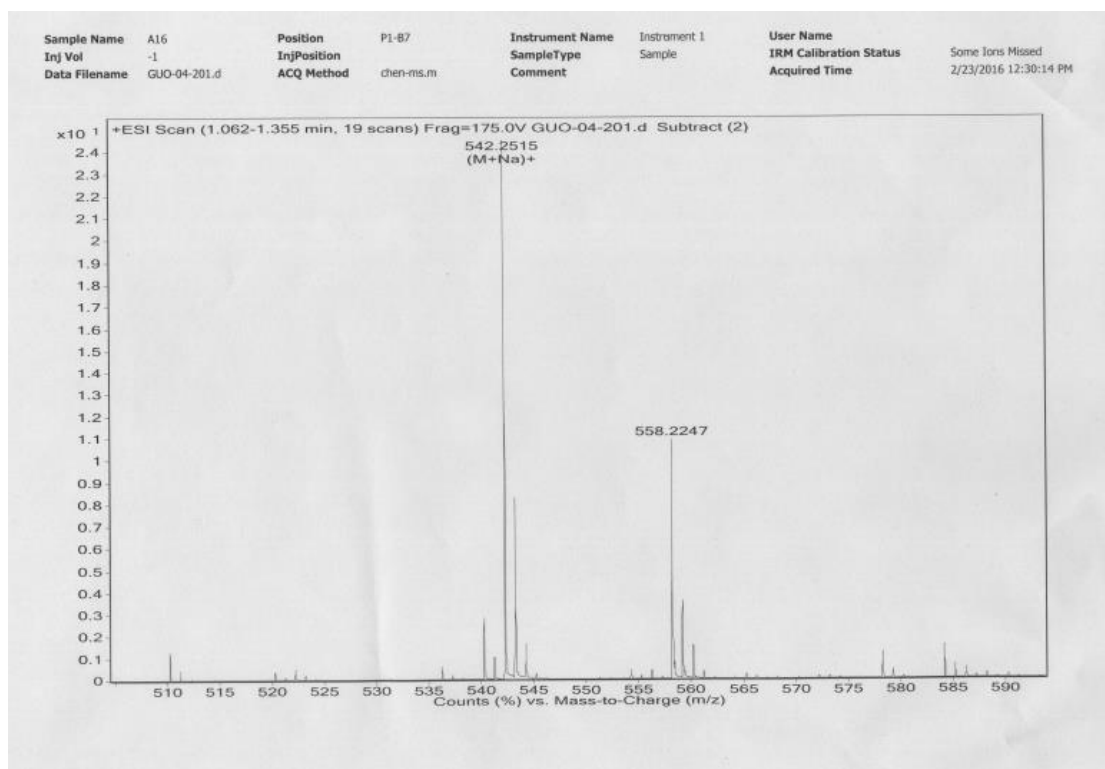


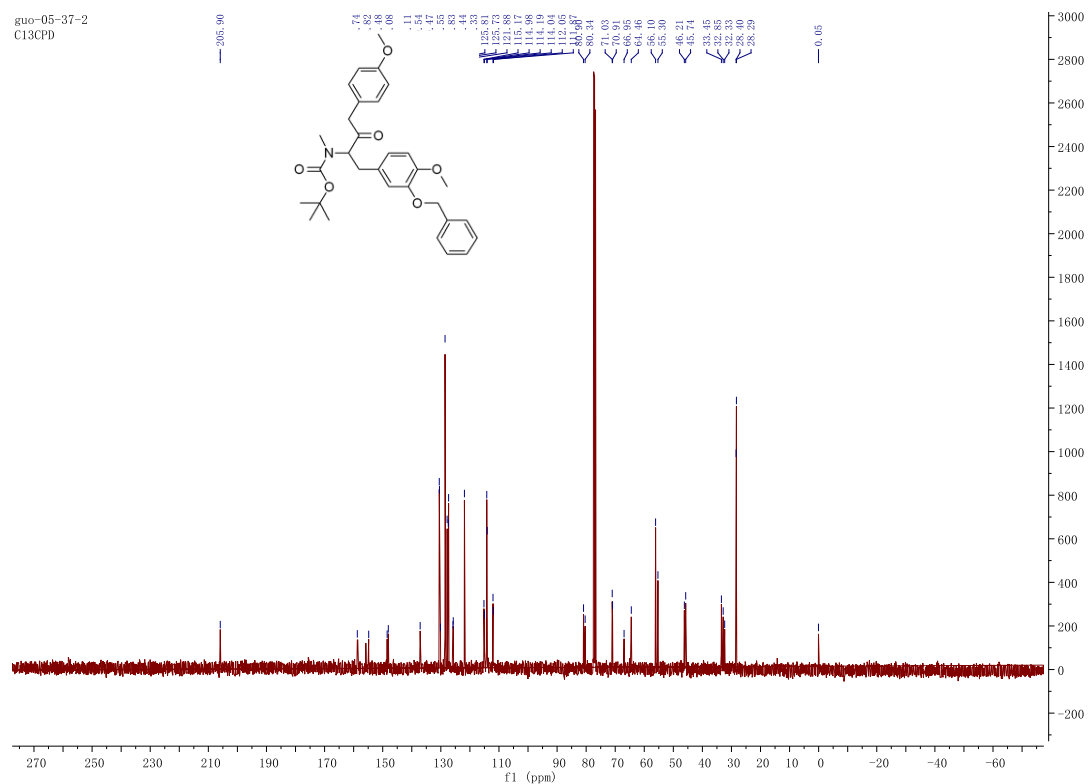
HRMS spectrum of 12c



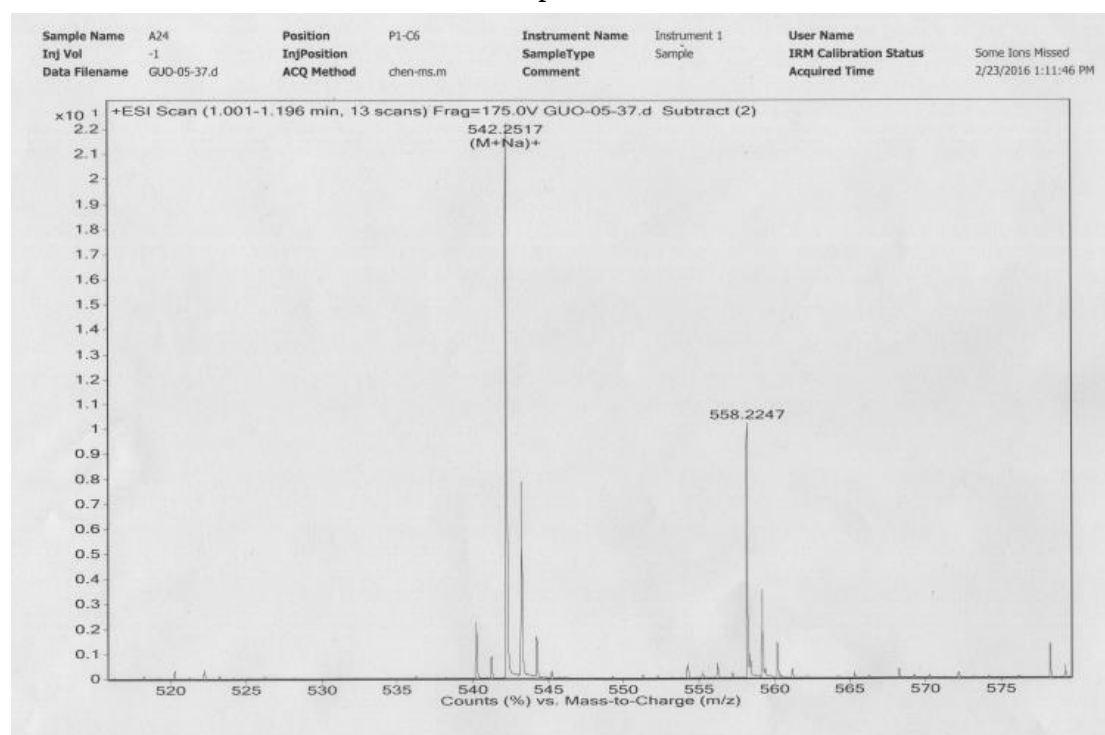
^1H NMR spectrum of 12d



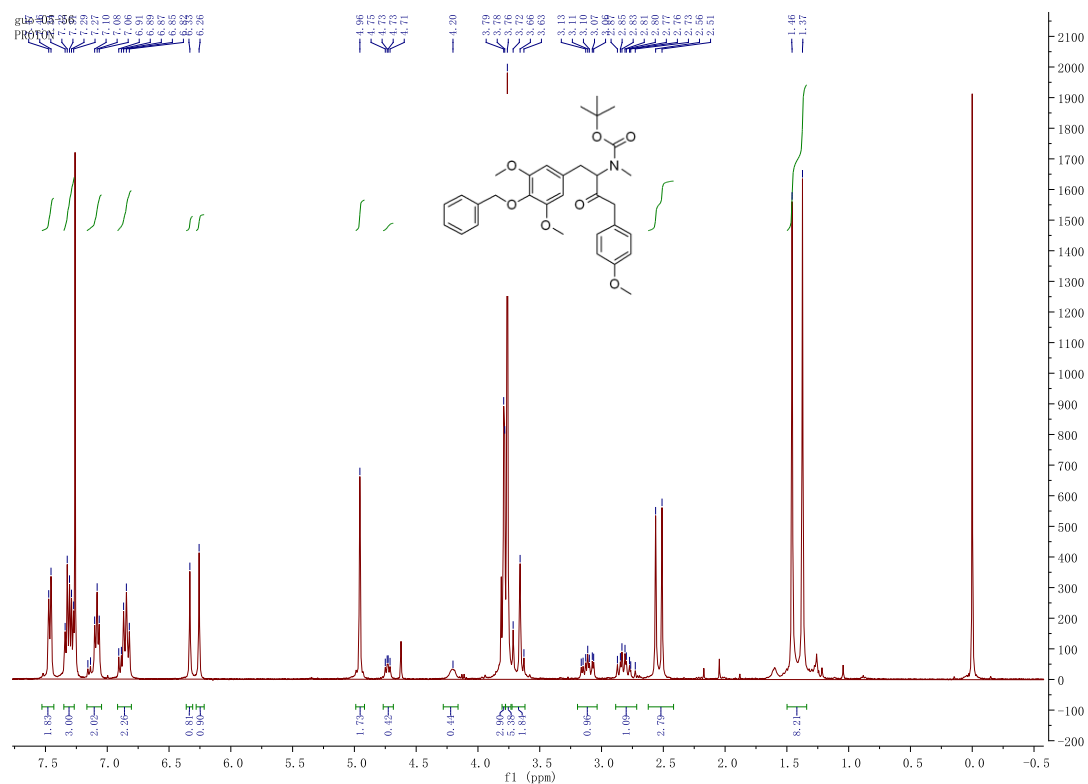




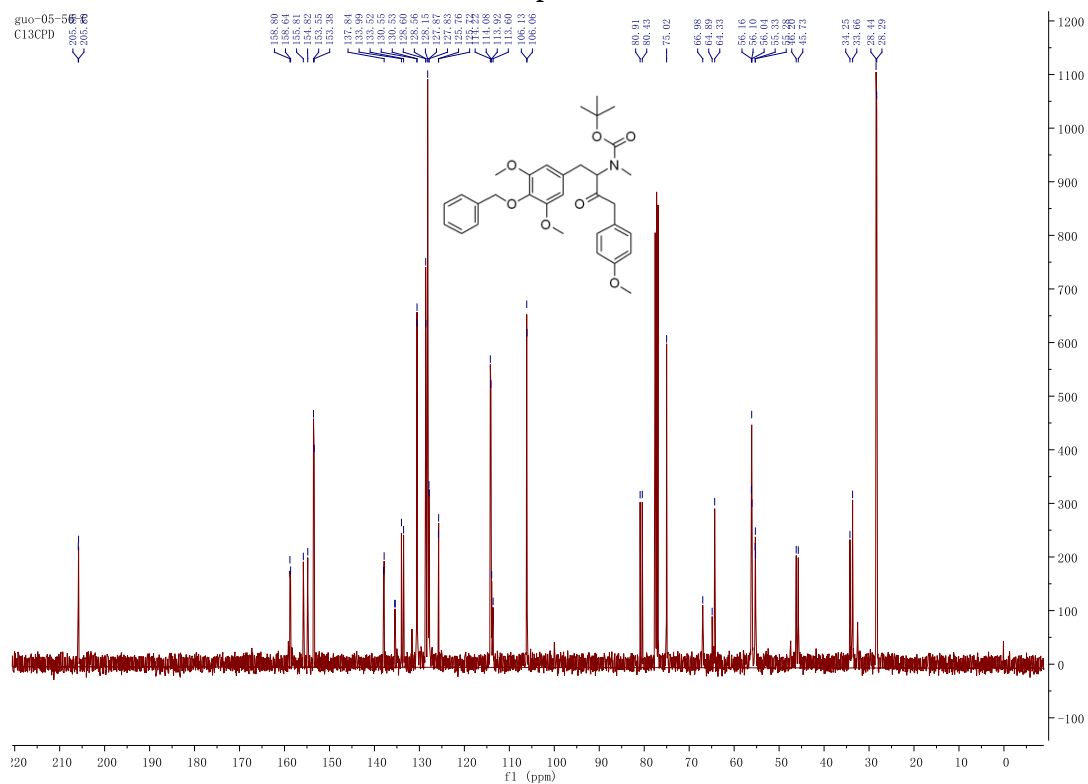
^{13}C NMR spectrum of **13b**



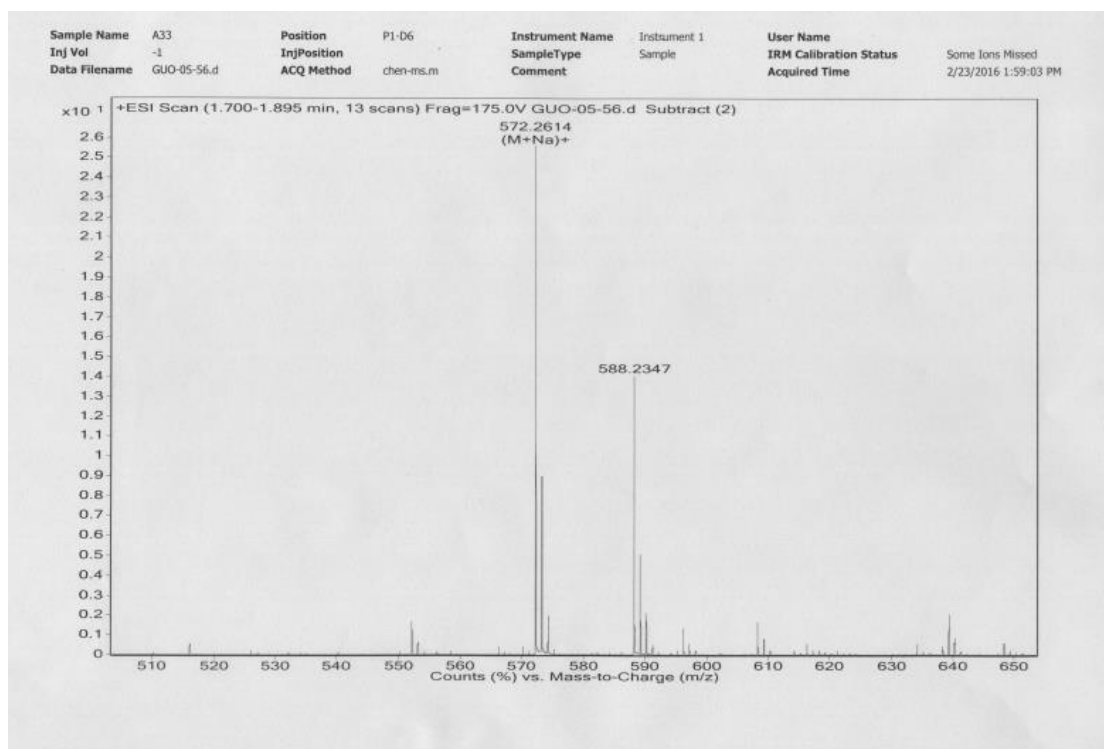
HRMS spectrum of **13b**



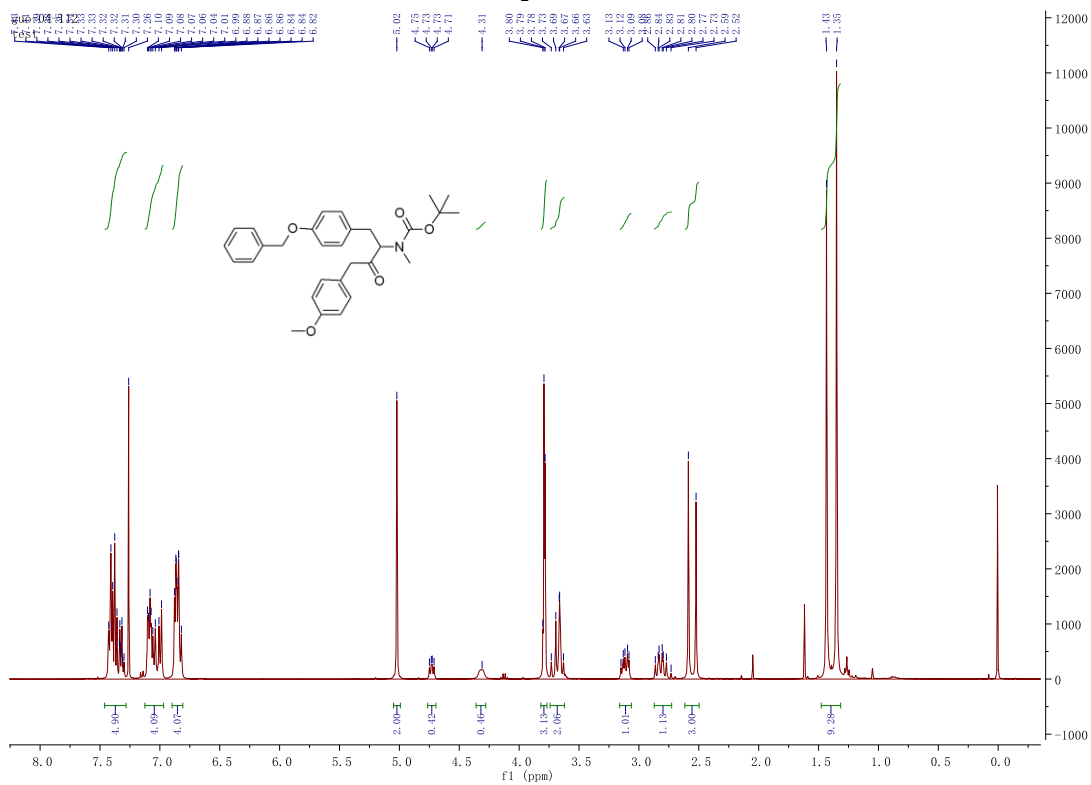
¹H NMR spectrum of 13c



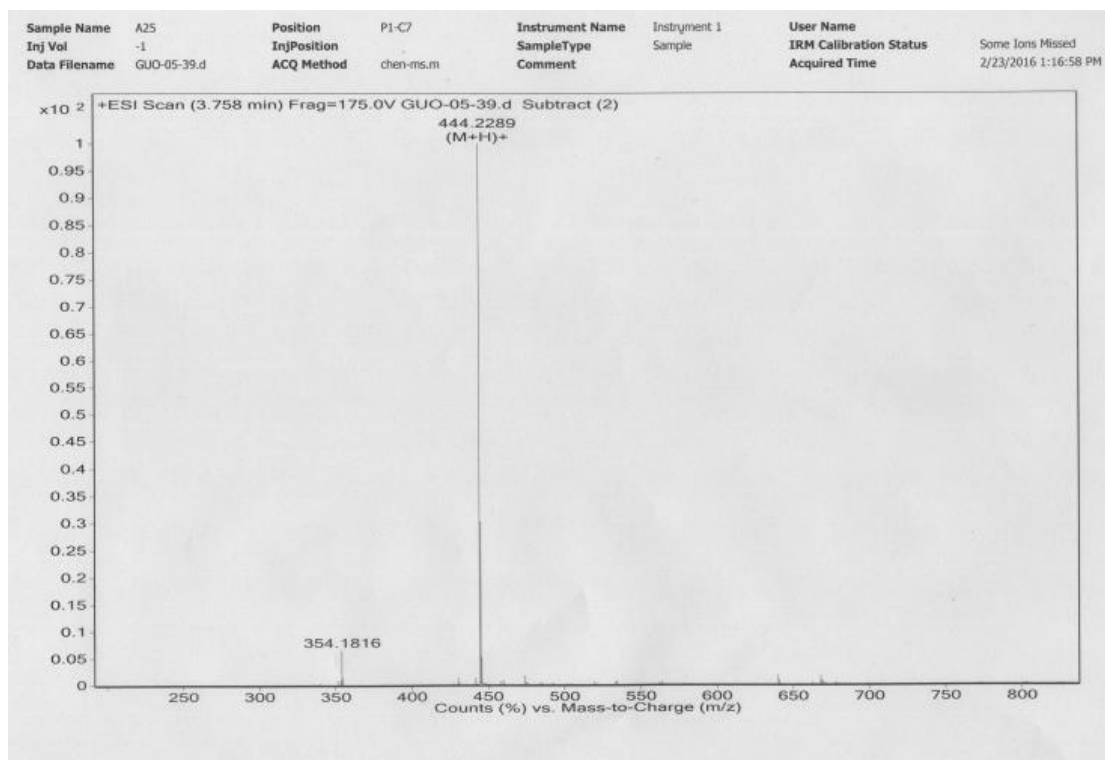
¹³C NMR spectrum of 13c



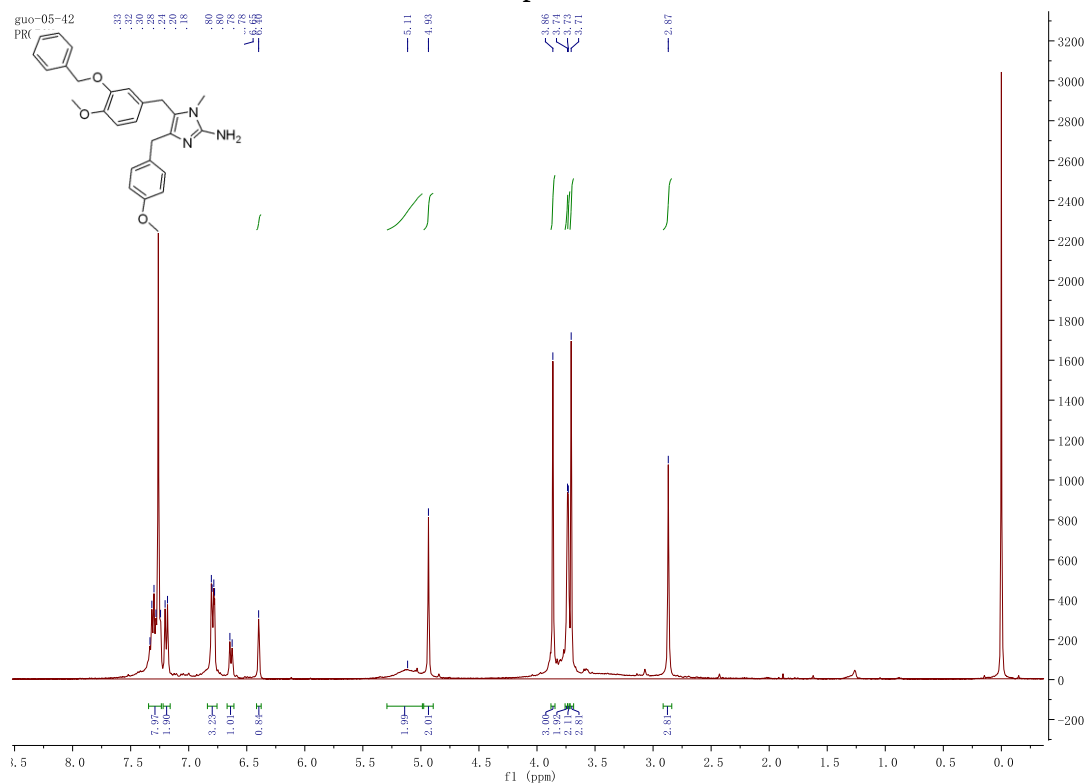
HRMS spectrum of **13c**



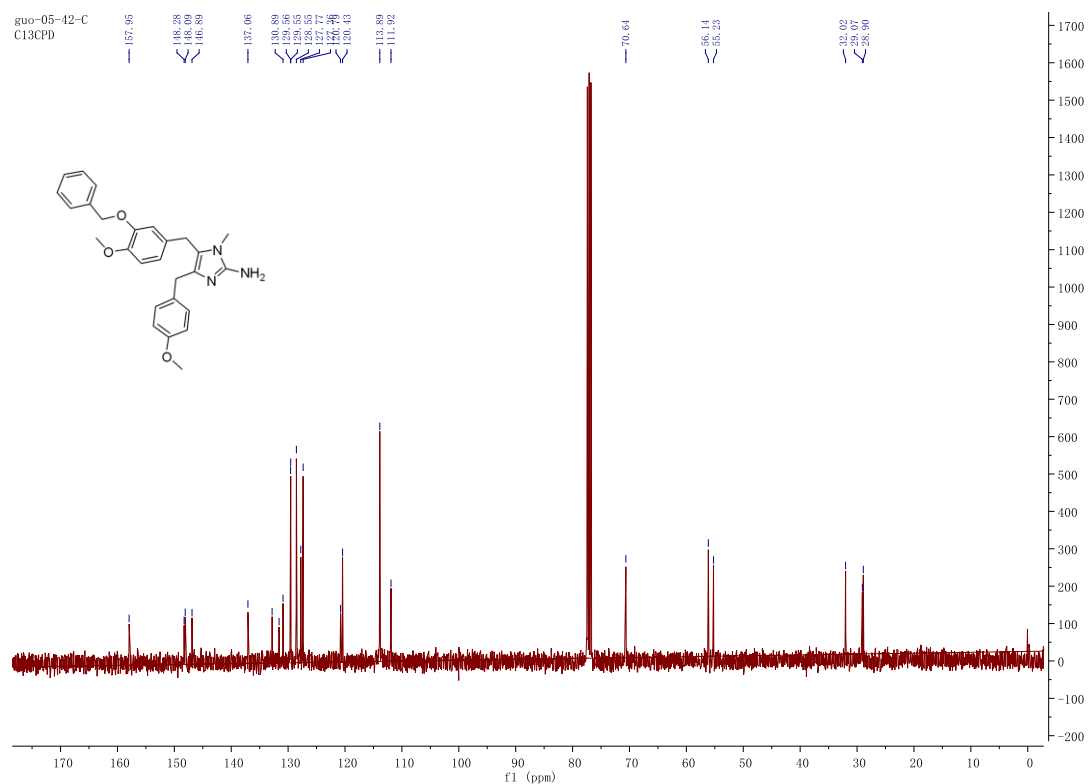
¹H NMR spectrum of **13d**



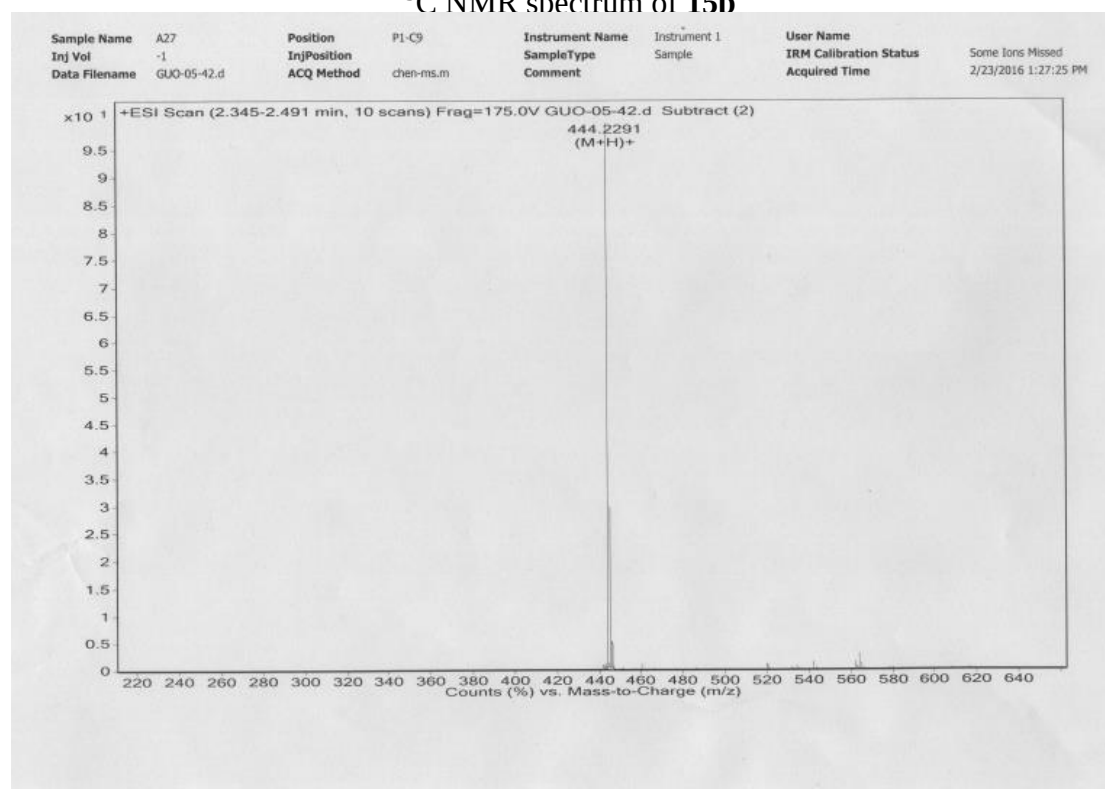
HRMS spectrum of **15a**



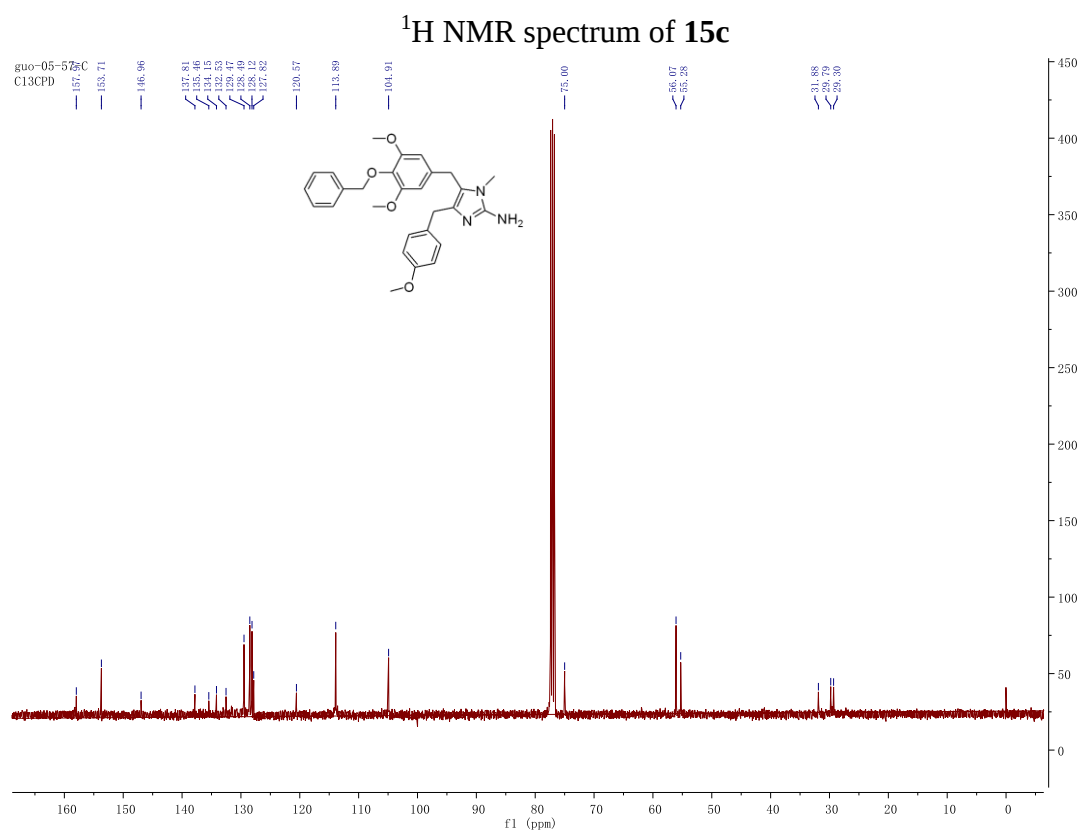
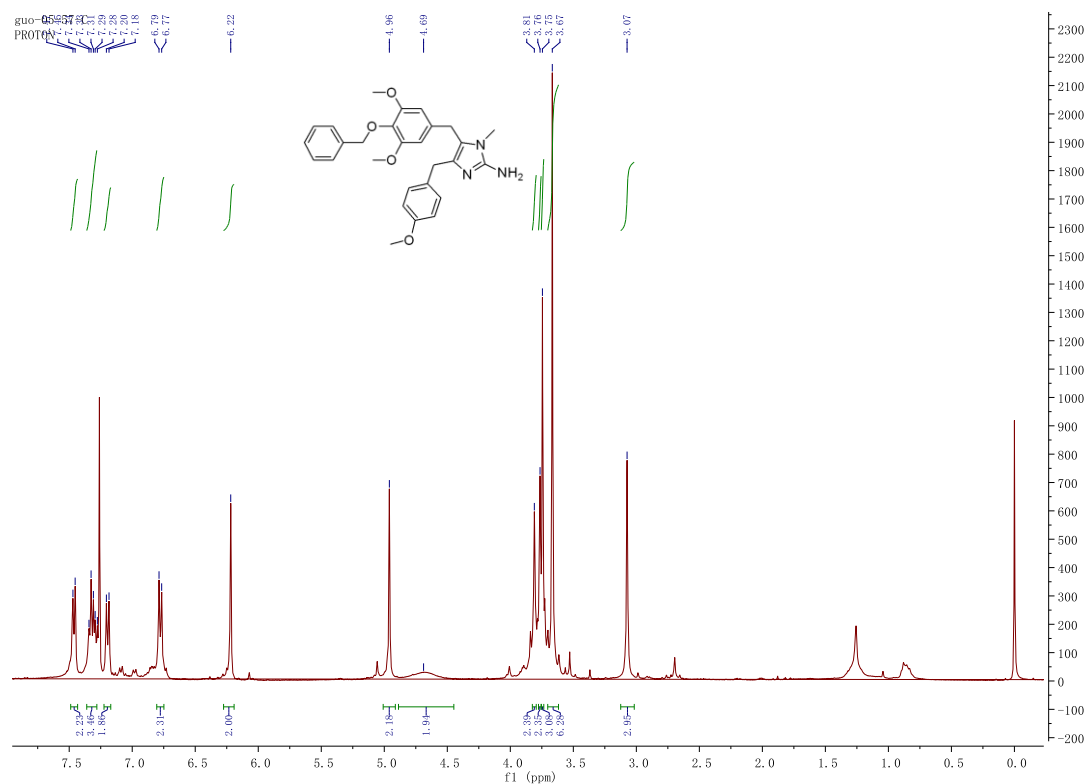
^1H NMR spectrum of **15b**

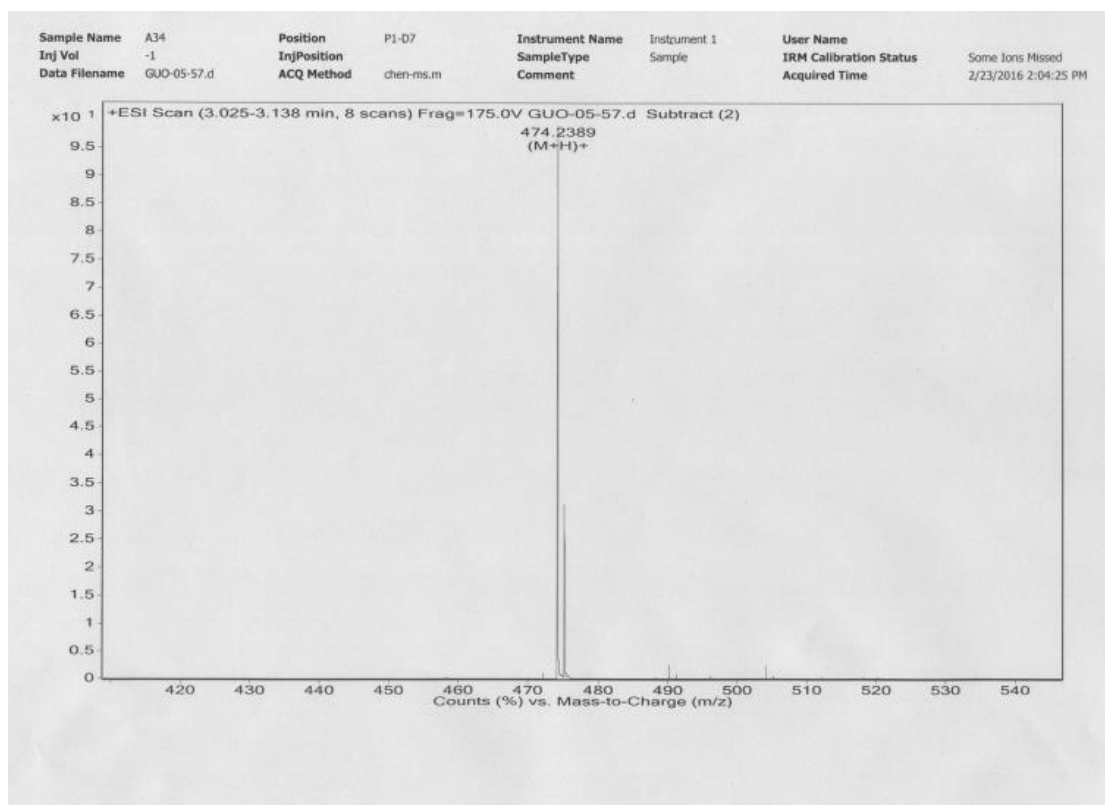


^{13}C NMR spectrum of **15b**

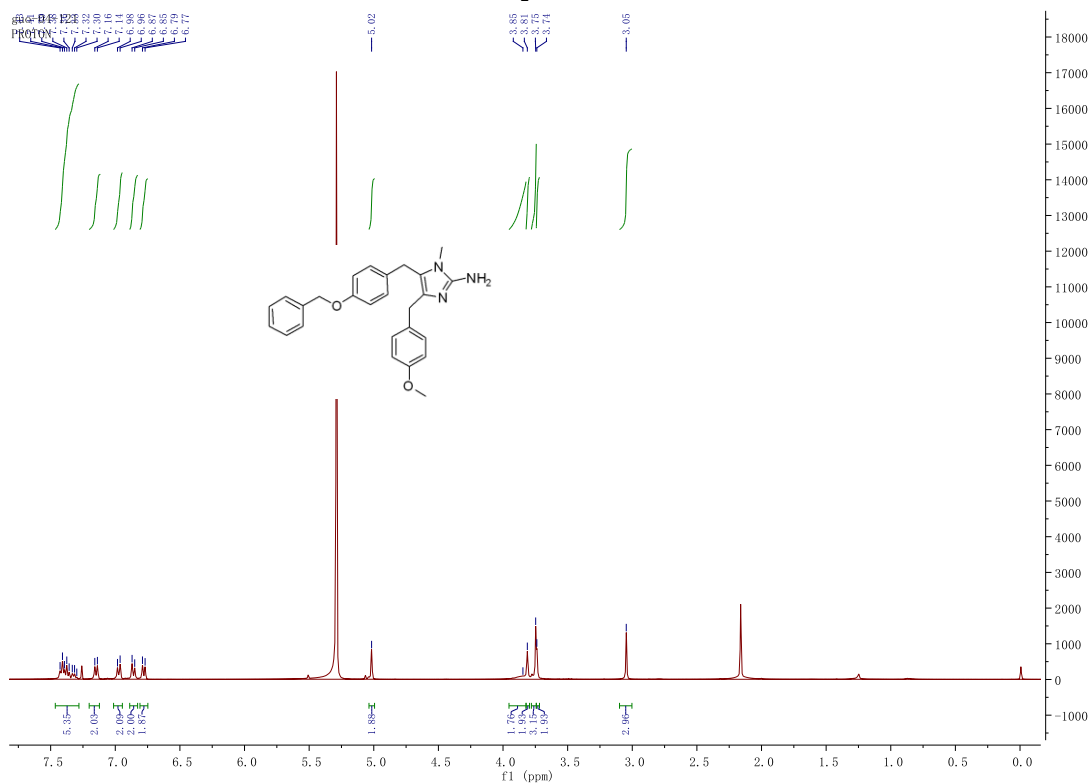


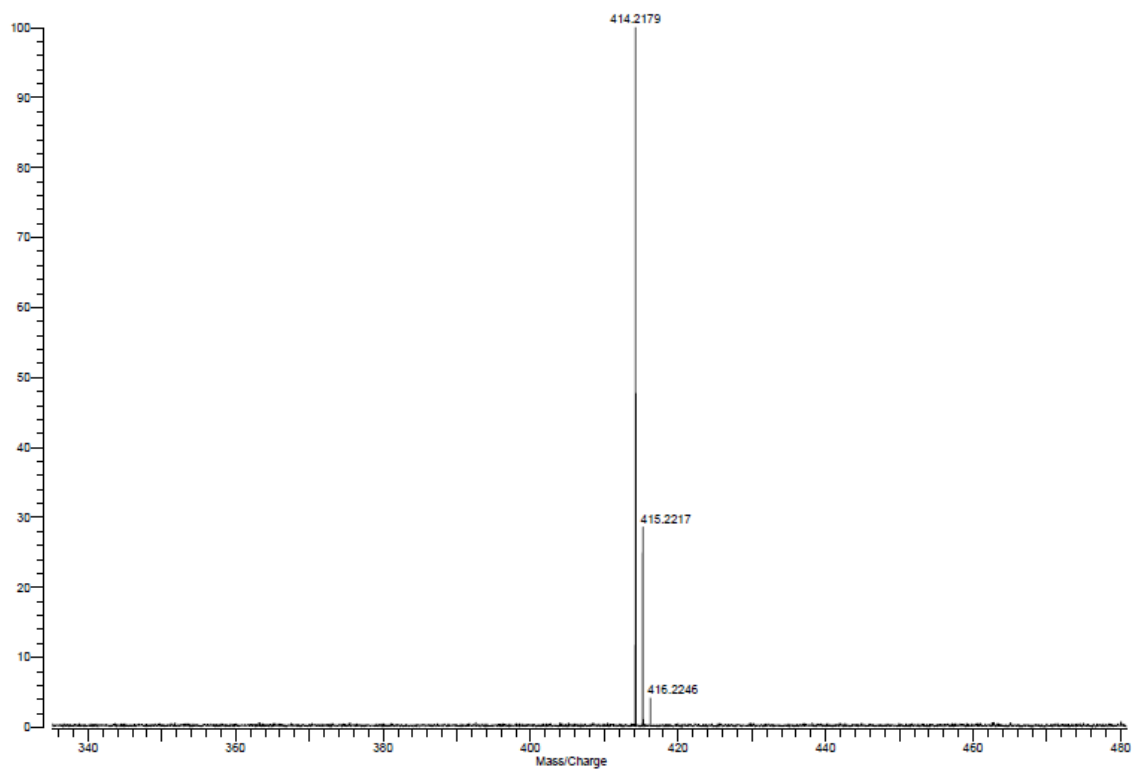
HRMS spectrum of **15b**





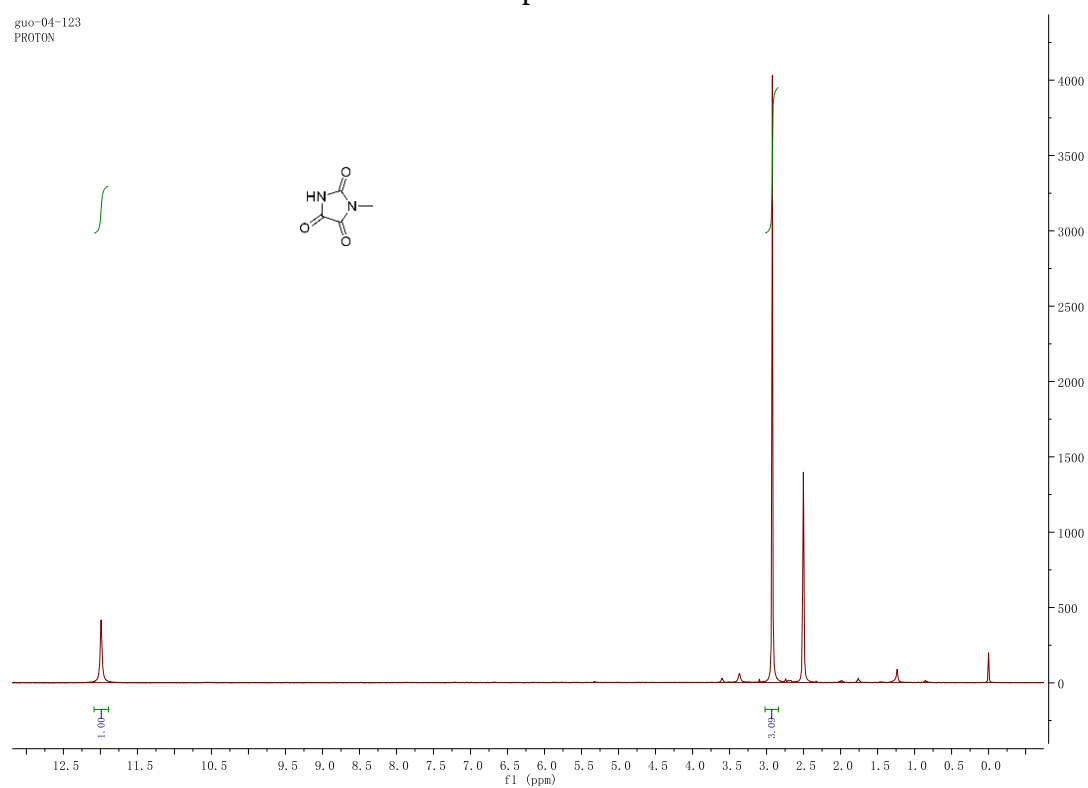
HRMS spectrum of **15c**

¹H NMR spectrum of **15d**



HRMS spectrum of **15d**

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¹H NMR spectrum of **16**