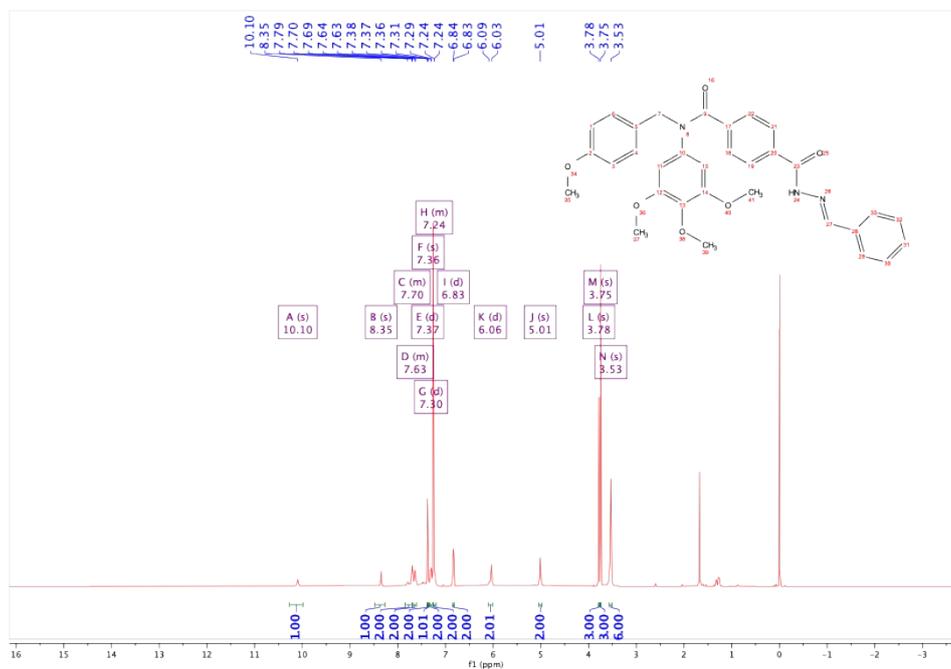
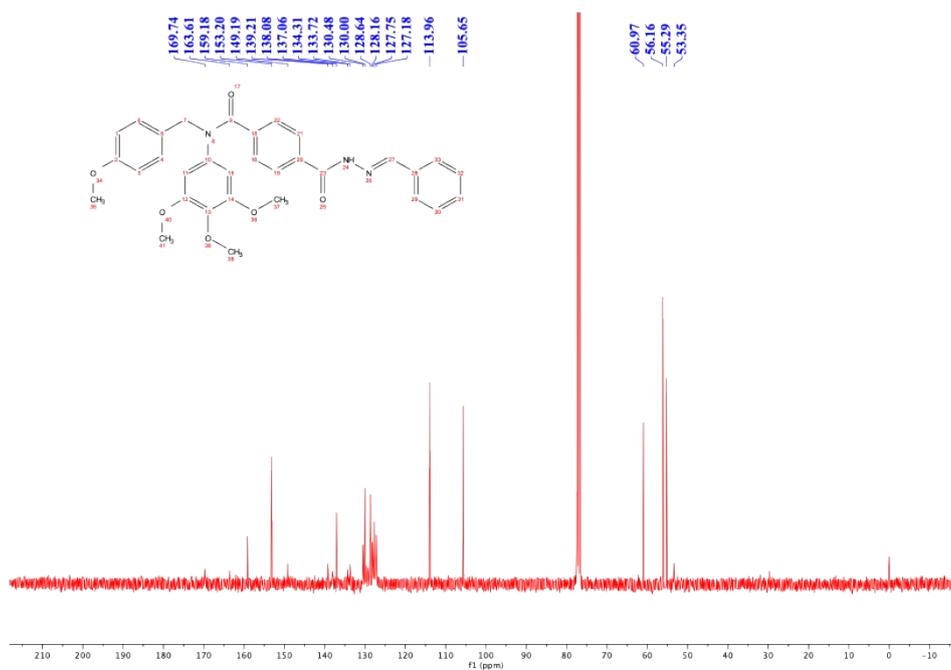


## Spectrum of compounds

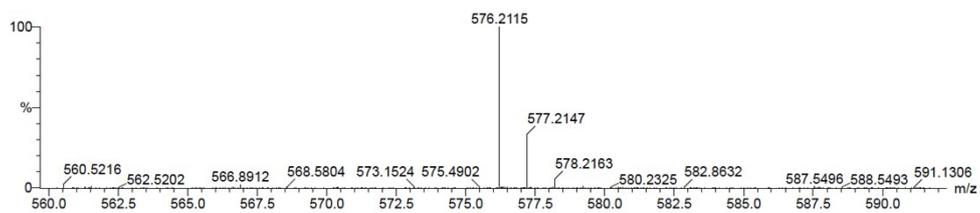
### Spectrum of compound Q-1 (<sup>1</sup>H NMR, <sup>13</sup>C NMR, HRMS)



The <sup>1</sup>H NMR spectrum of compound Q-1

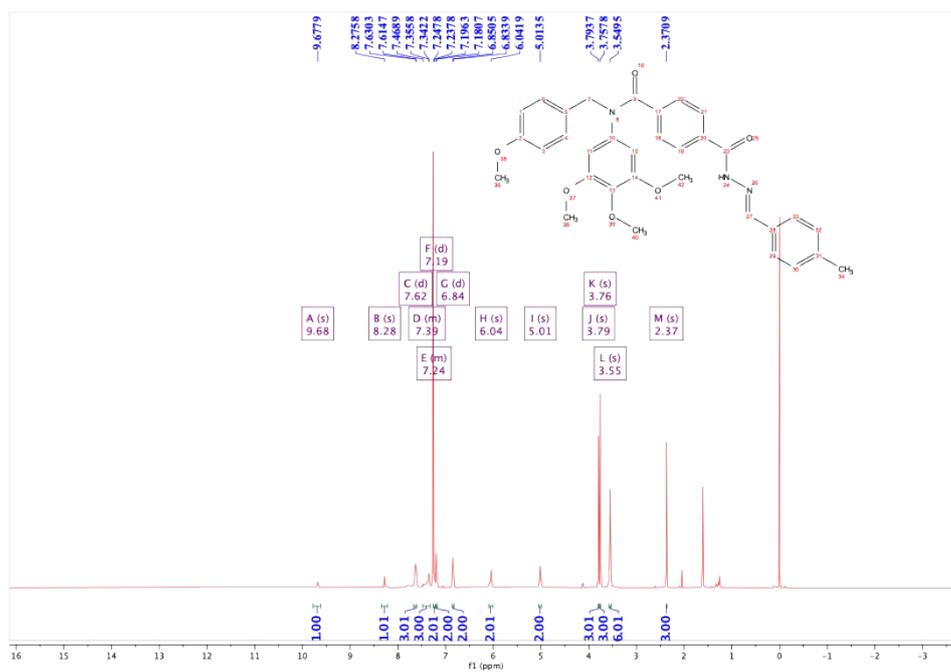


The <sup>13</sup>C NMR spectrum of compound Q-1

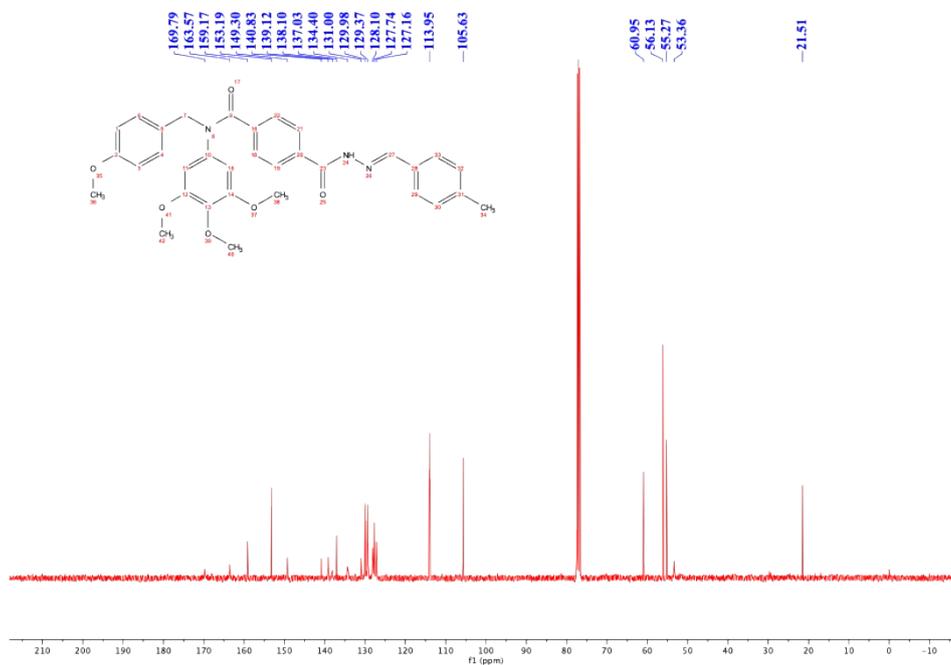


The HRMS spectrum of compound **Q-1**

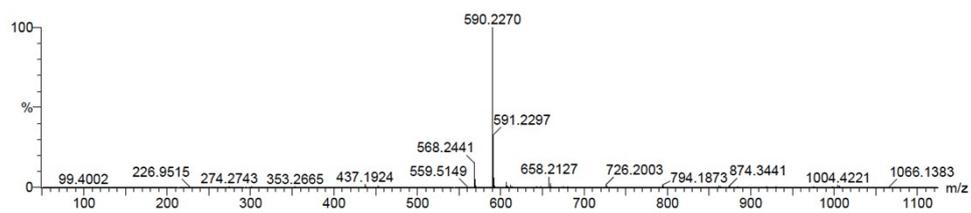
Spectrum of compound Q-16 ( $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR, HRMS)



The  $^1\text{H}$  NMR spectrum of compound Q-16

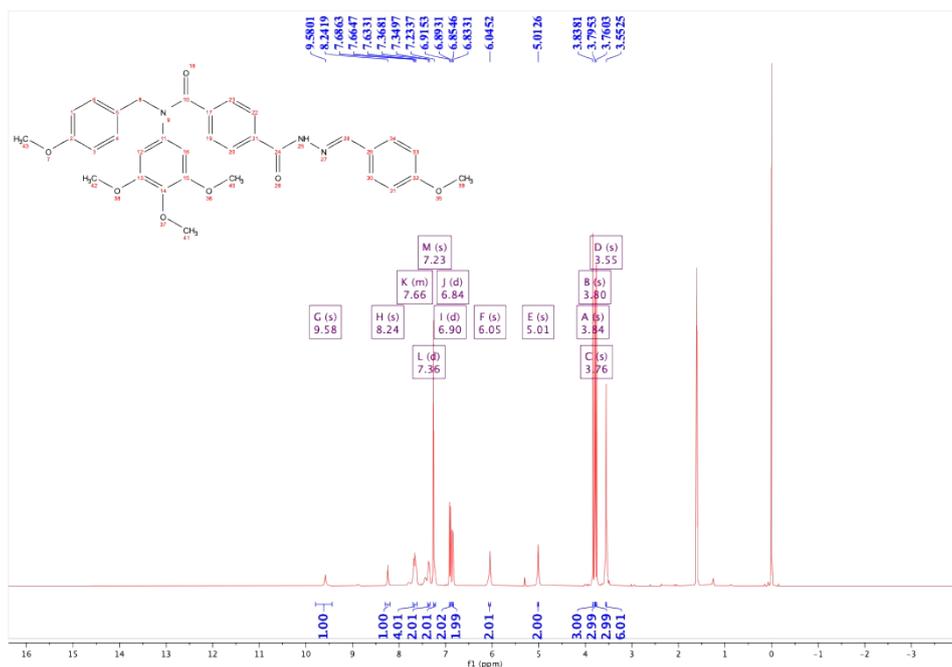


The  $^{13}\text{C}$  NMR spectrum of compound Q-16

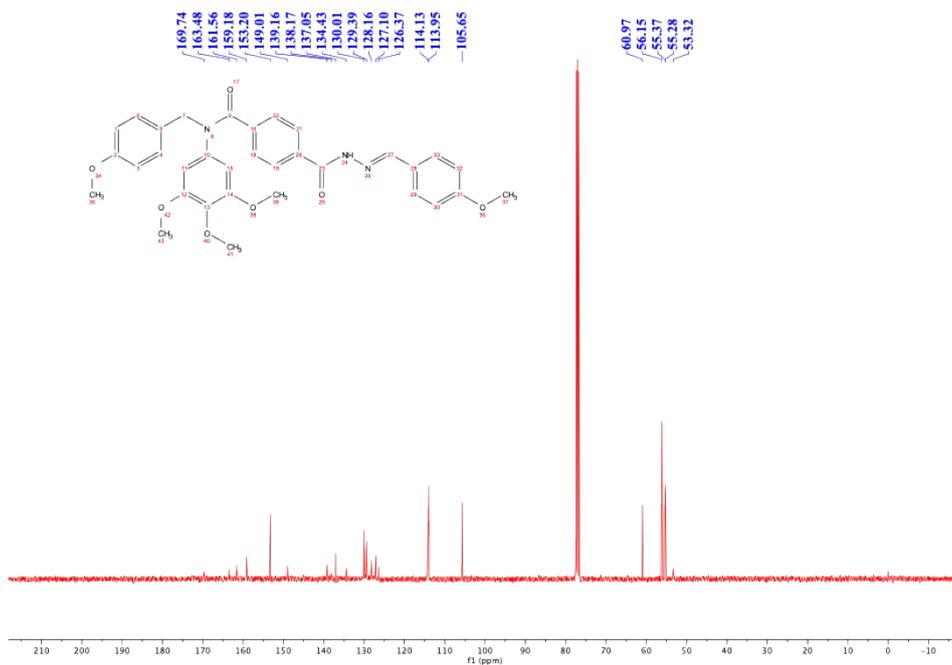


The HRMS spectrum of compound **Q-16**

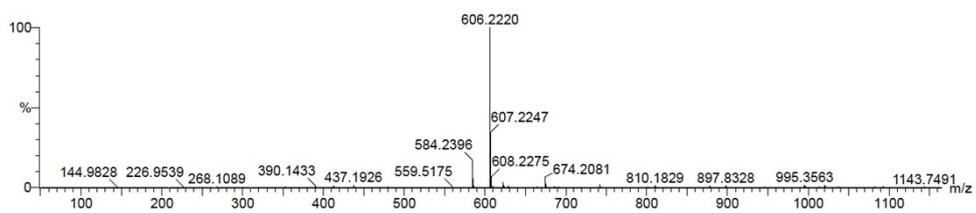
Spectrum of compound Q-2 (<sup>1</sup>H NMR, <sup>13</sup>C NMR, HRMS)



The <sup>1</sup>H NMR spectrum of compound Q-2



The <sup>13</sup>C NMR spectrum of compound Q-2

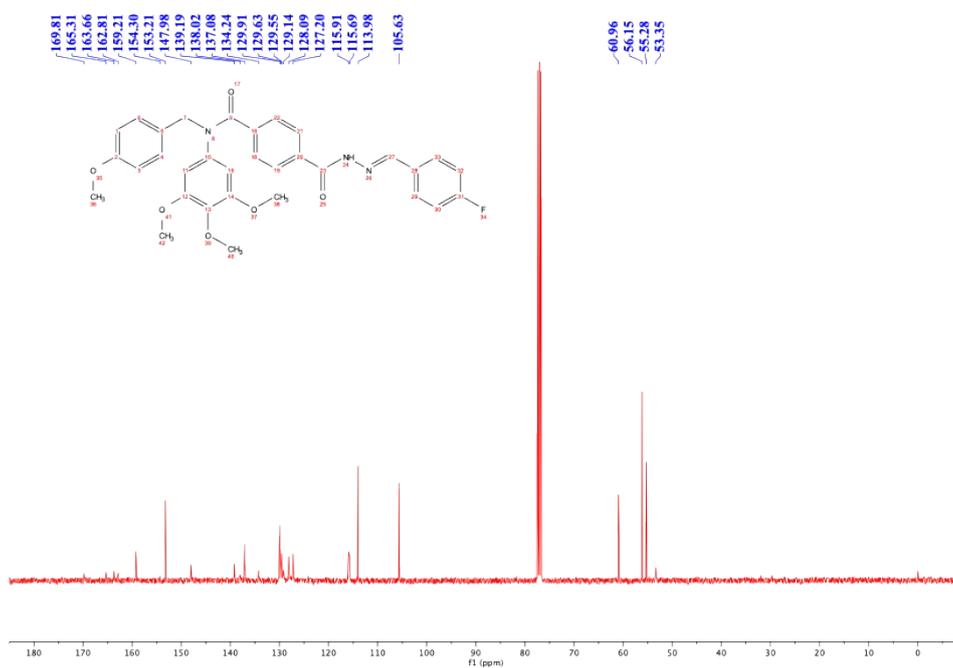


The HRMS spectrum of compound **Q-2**

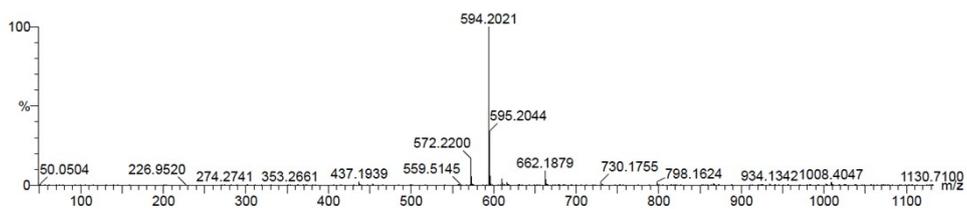
Spectrum of compound **Q-3** ( $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR, HRMS)



The  $^1\text{H}$  NMR spectrum of compound **Q-3**

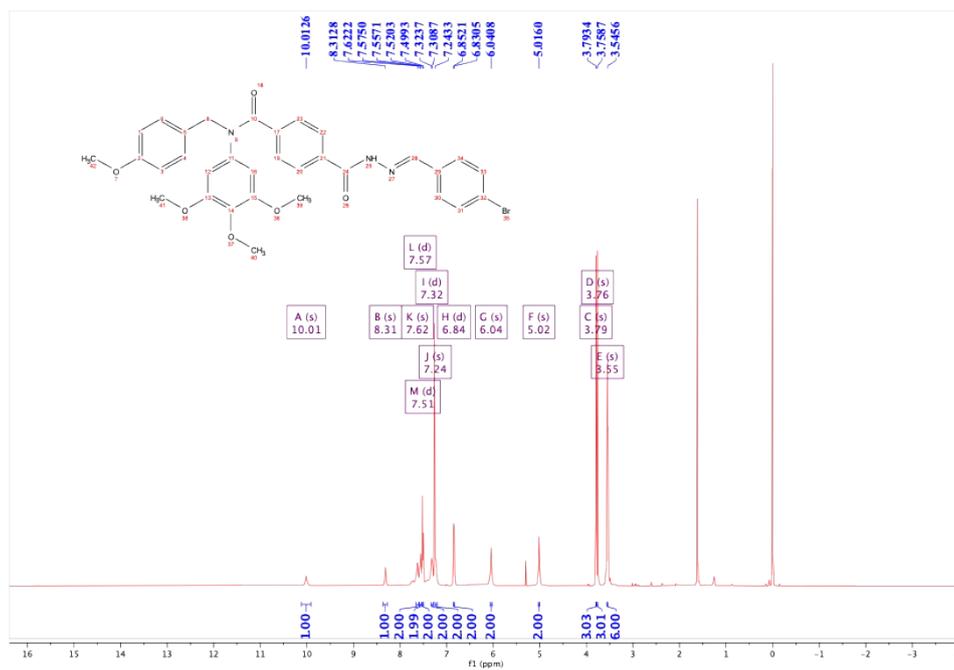


The  $^{13}\text{C}$  NMR spectrum of compound **Q-3**

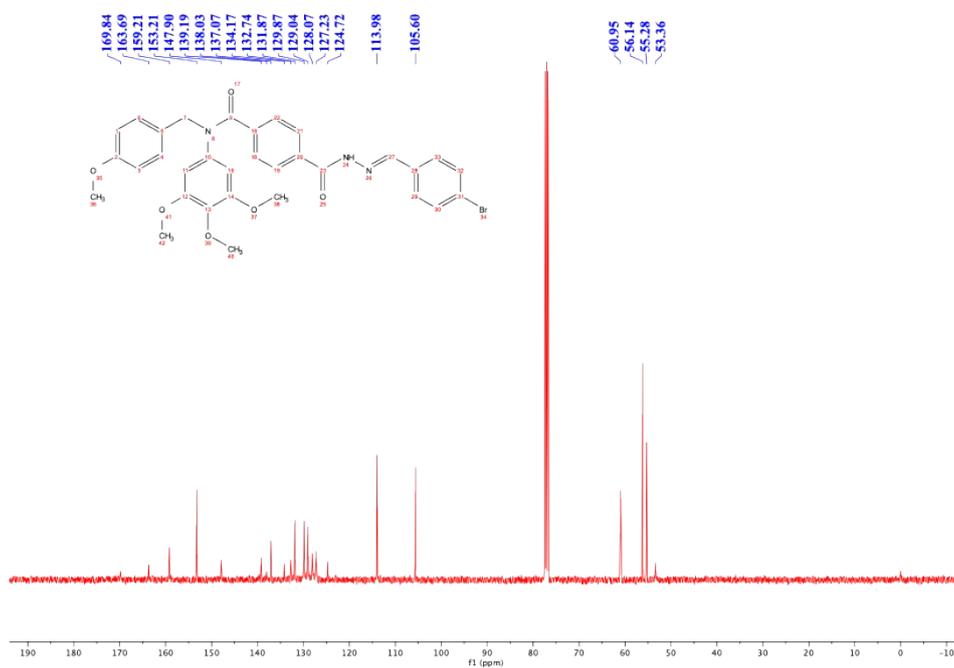


The HRMS spectrum of compound **Q-3**

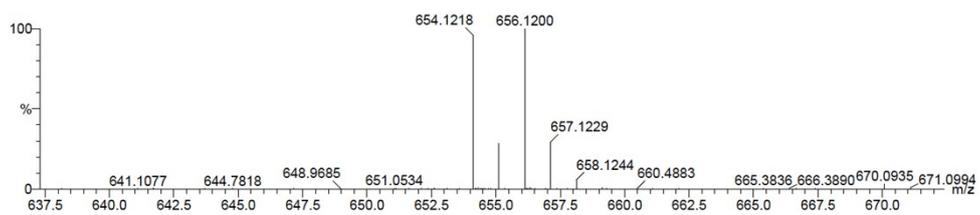
Spectrum of compound Q-4 (<sup>1</sup>H NMR, <sup>13</sup>C NMR, HRMS)



The <sup>1</sup>H NMR spectrum of compound Q-4

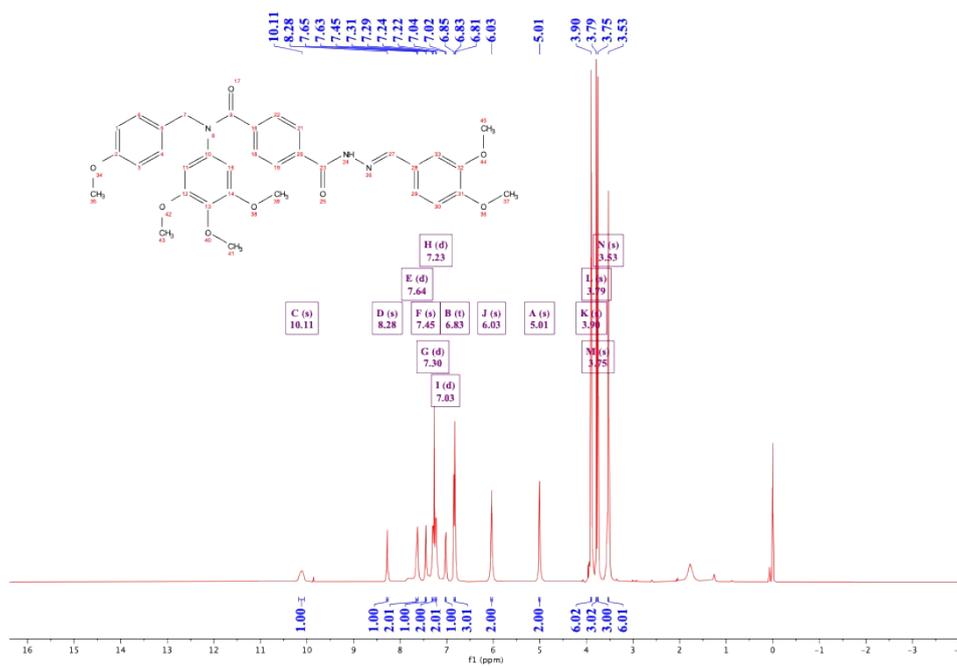


The <sup>13</sup>C NMR spectrum of compound Q-4

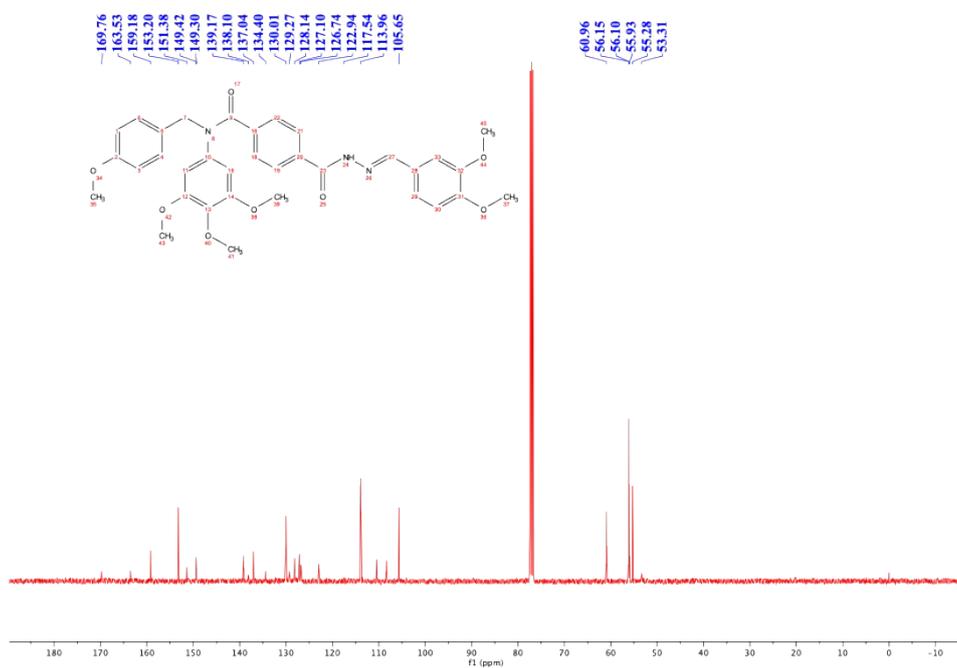


The HRMS spectrum of compound Q-4

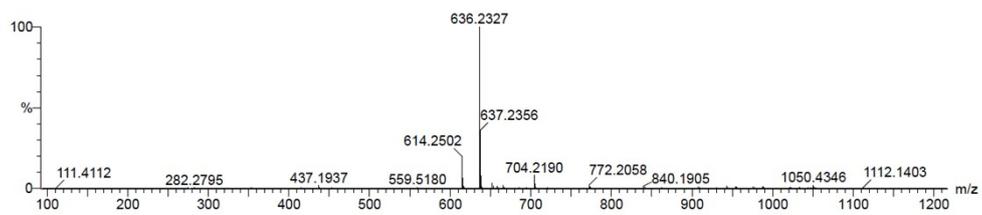
Spectrum of compound Q-5 ( $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR, HRMS)



The  $^1\text{H}$  NMR spectrum of compound Q-5

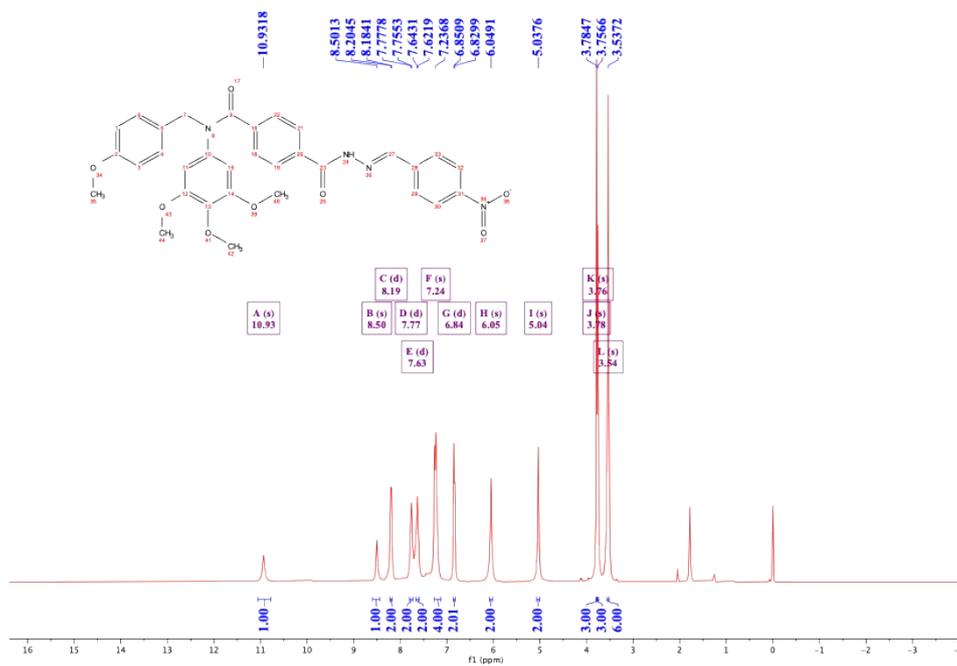


The  $^{13}\text{C}$  NMR spectrum of compound Q-5

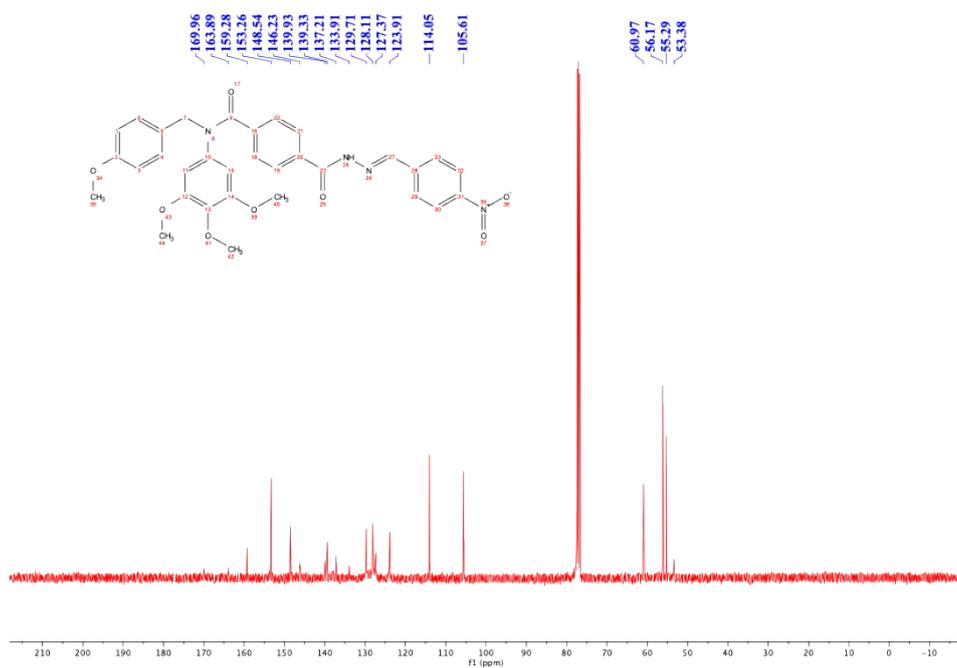


The HRMS spectrum of compound Q-5

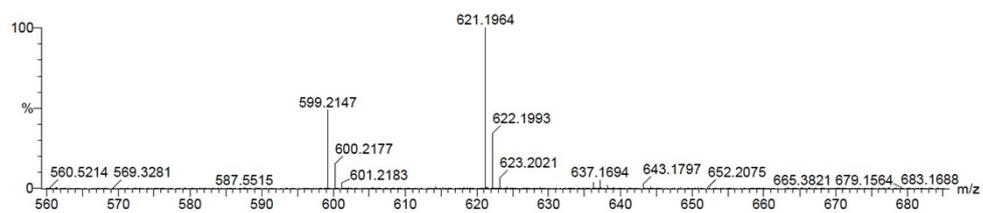
Spectrum of compound Q-6 ( $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR, HRMS)



The  $^1\text{H}$  NMR spectrum of compound Q-6

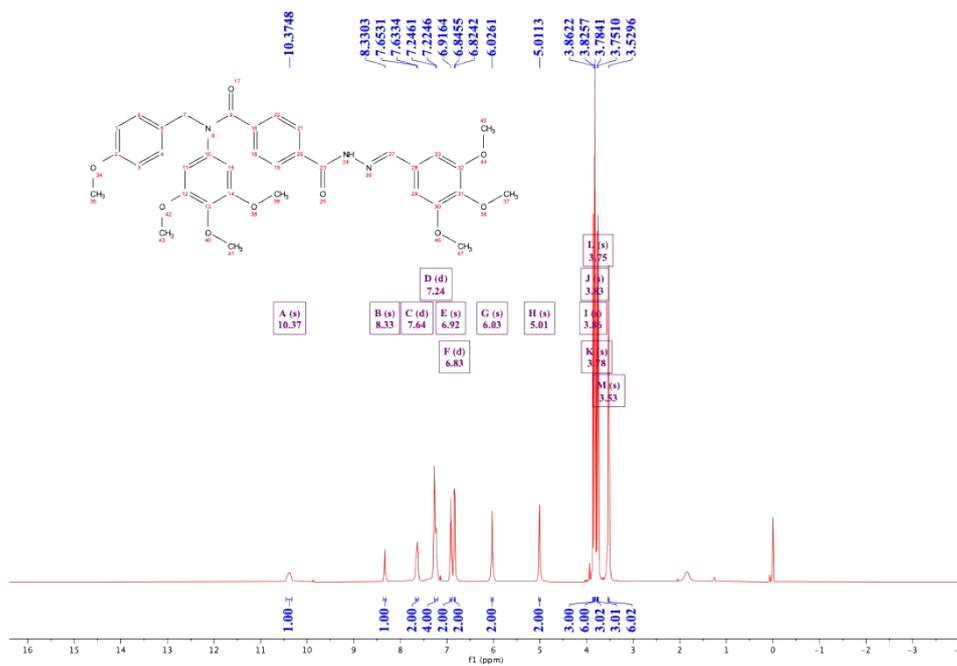


The  $^{13}\text{C}$  NMR spectrum of compound Q-6

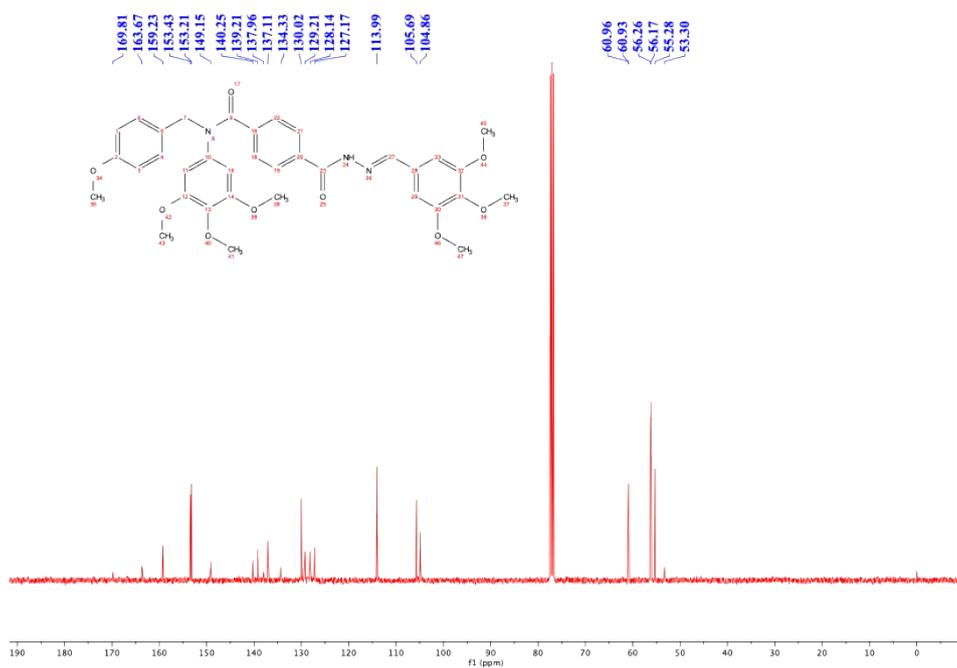


The HRMS spectrum of compound **Q-6**

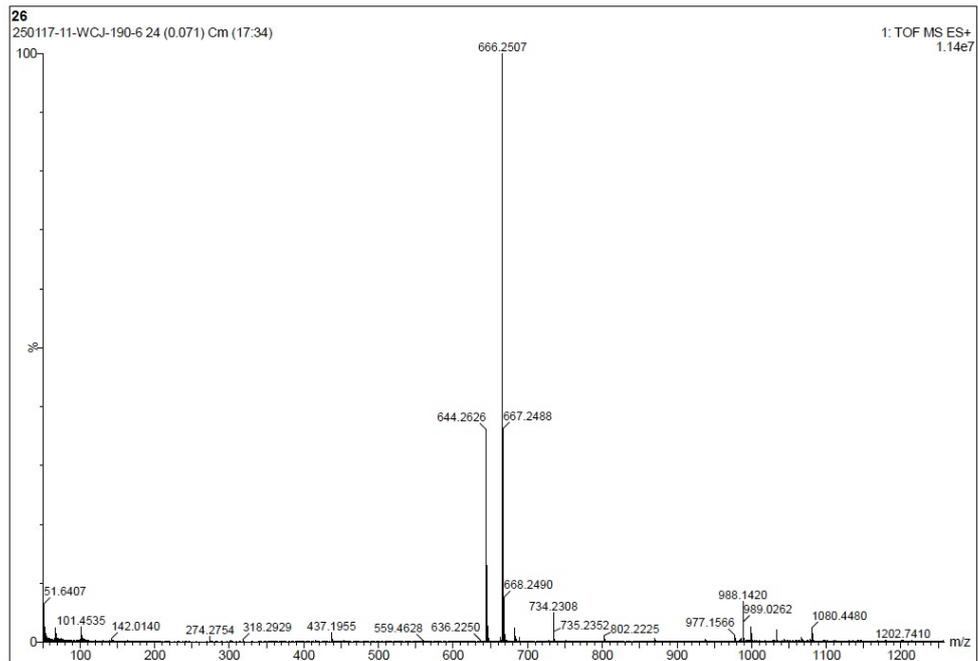
Spectrum of compound Q-7 (<sup>1</sup>H NMR, <sup>13</sup>C NMR, HRMS)



The <sup>1</sup>H NMR spectrum of compound Q-7

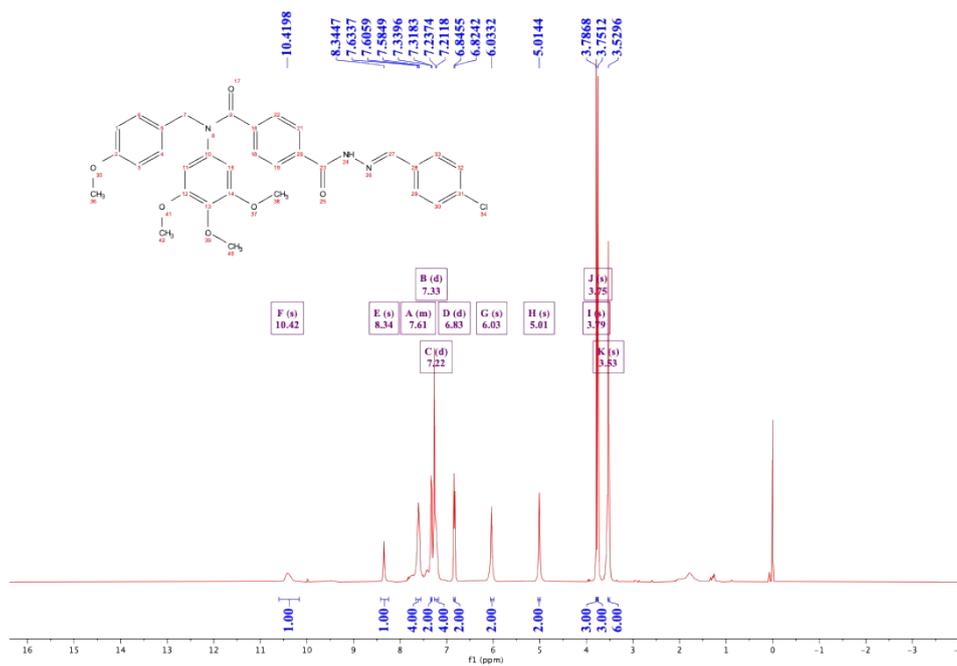


The <sup>13</sup>C NMR spectrum of compound Q-7

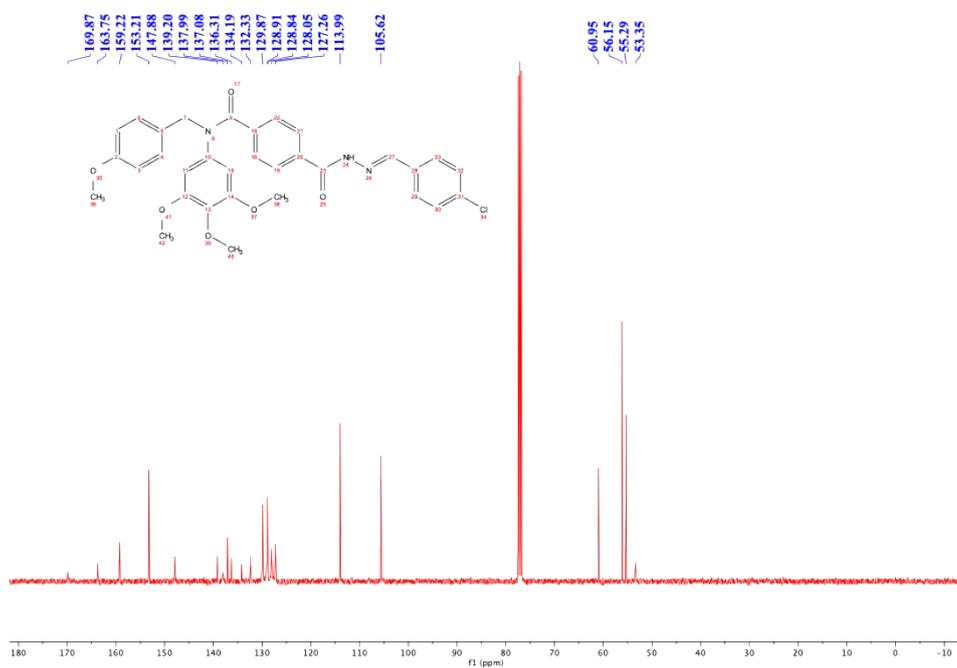


The HRMS spectrum of compound Q-7

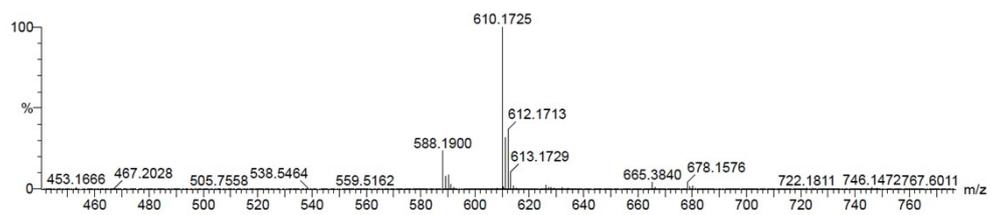
Spectrum of compound **Q-8** ( $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR, HRMS)



The  $^1\text{H}$  NMR spectrum of compound **Q-8**

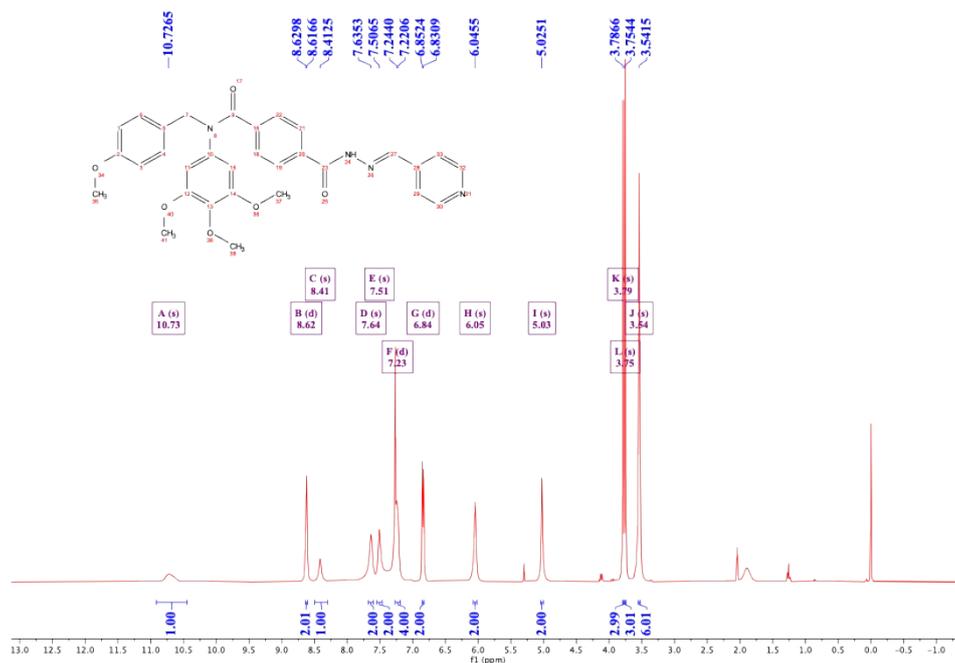


The  $^{13}\text{C}$  NMR spectrum of compound **Q-8**

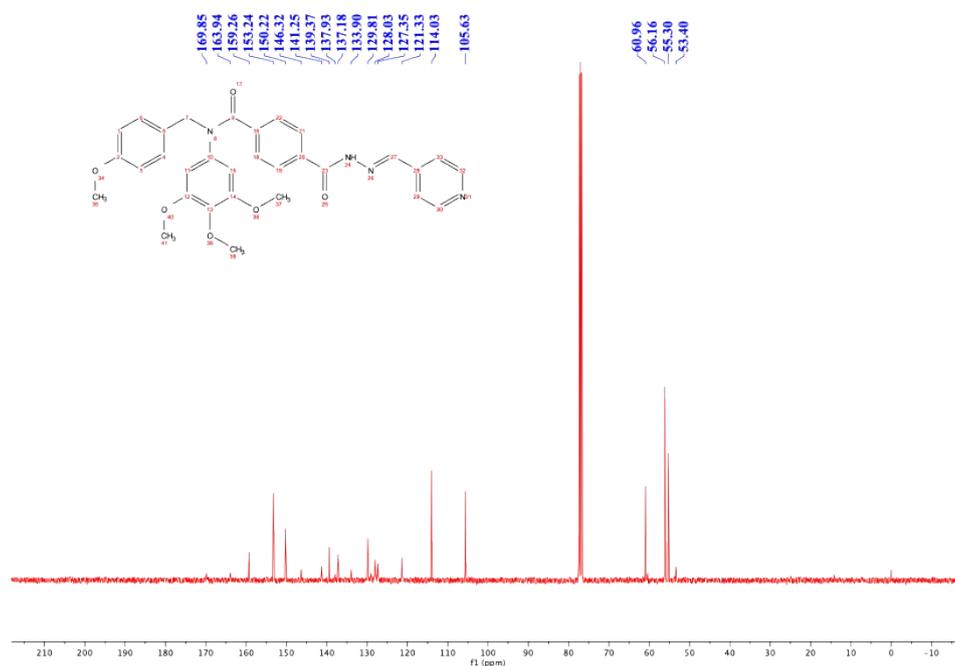


The HRMS spectrum of compound **Q-8**

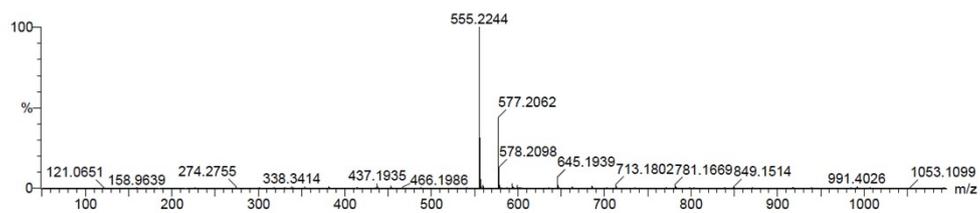
Spectrum of compound Q-9 (<sup>1</sup>H NMR, <sup>13</sup>C NMR, HRMS)



The <sup>1</sup>H NMR spectrum of compound Q-9

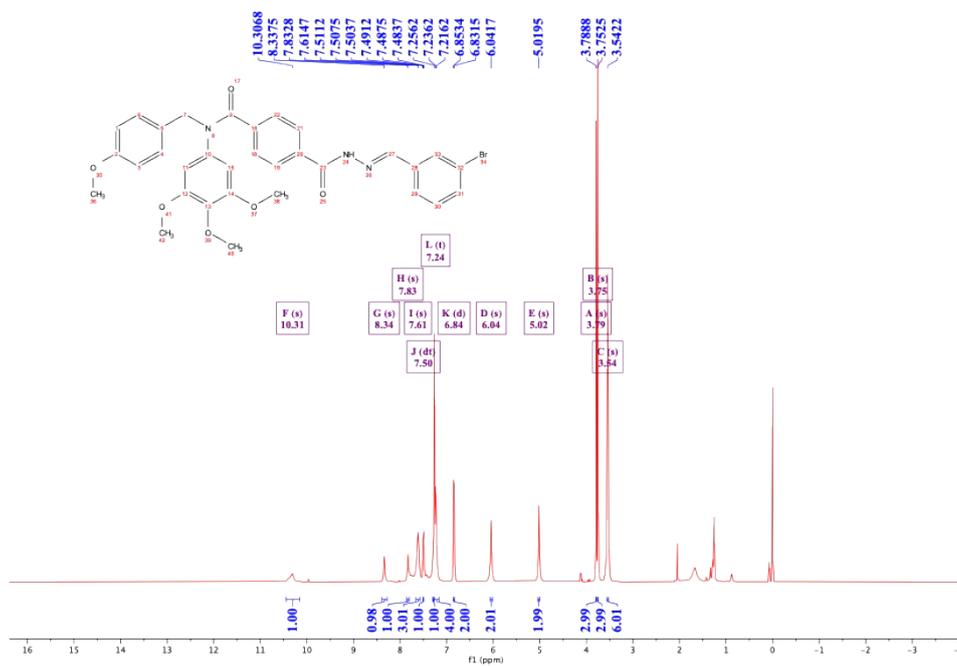


The <sup>13</sup>C NMR spectrum of compound Q-9

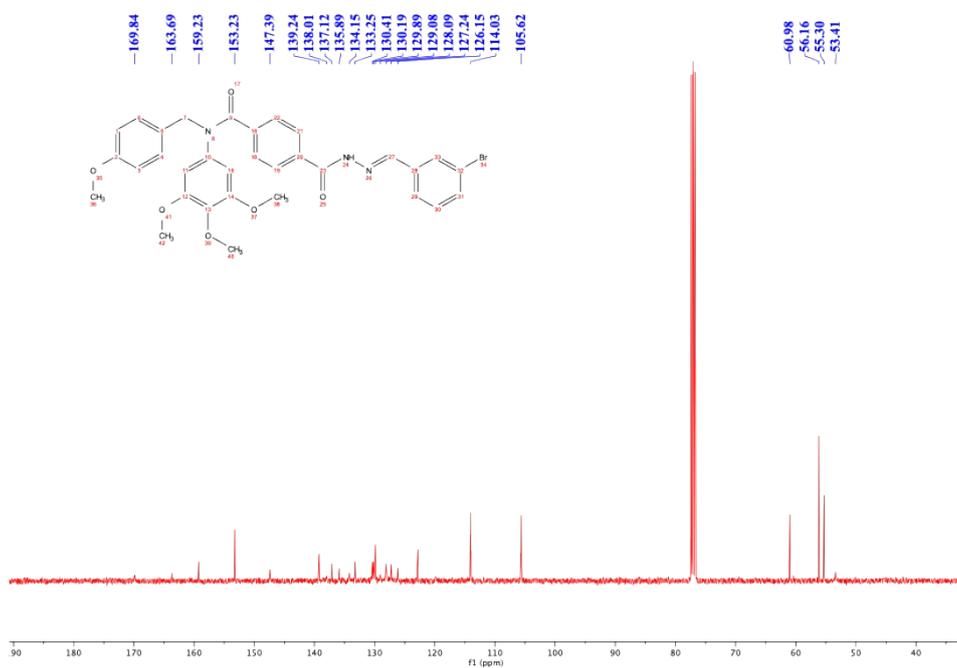


The HRMS spectrum of compound **Q-9**

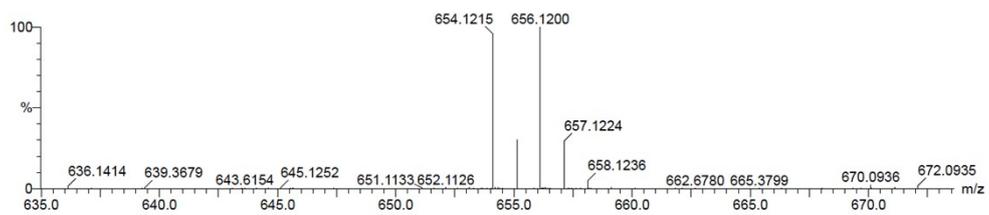
Spectrum of compound Q-10 (<sup>1</sup>H NMR, <sup>13</sup>C NMR, HRMS)



The <sup>1</sup>H NMR spectrum of compound Q-10

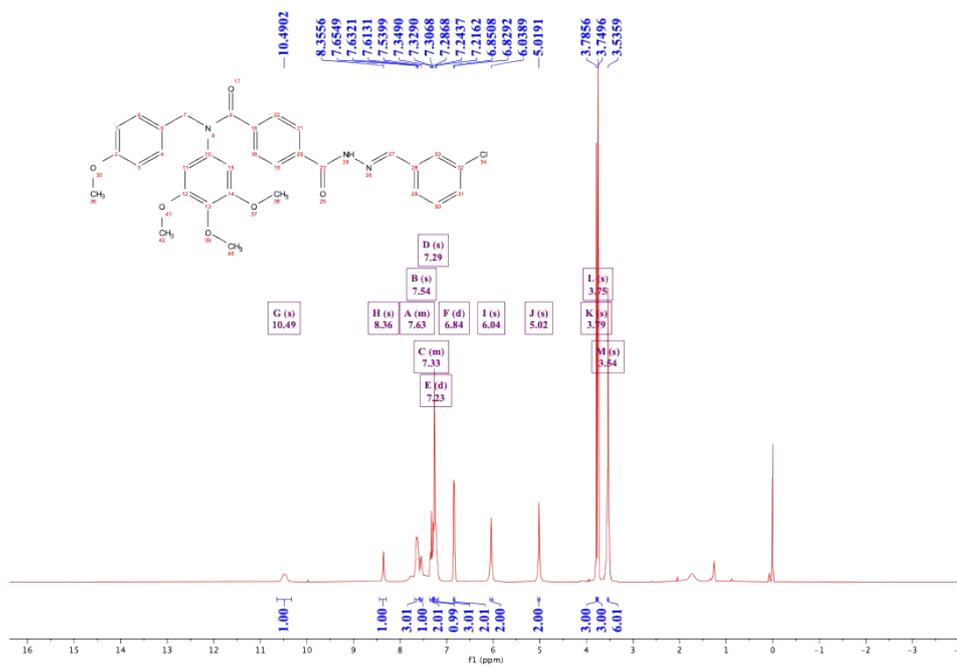


The <sup>13</sup>C NMR spectrum of compound Q-10

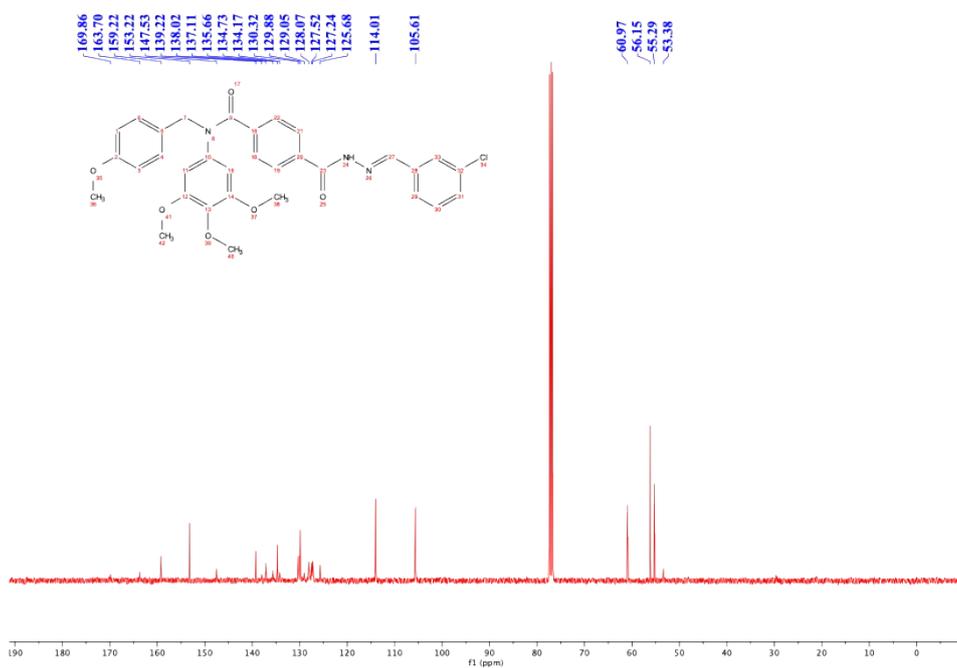


The HRMS spectrum of compound **Q-10**

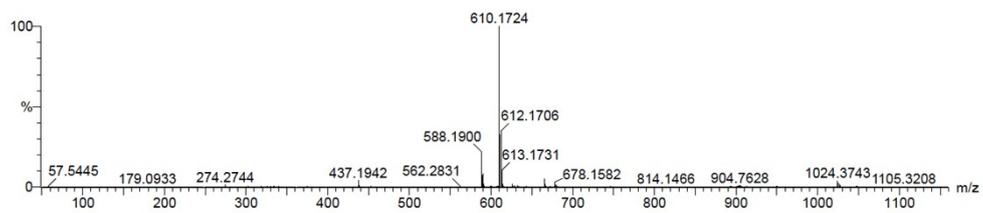
Spectrum of compound Q-11 ( $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR, HRMS)



The  $^1\text{H}$  NMR spectrum of compound Q-11

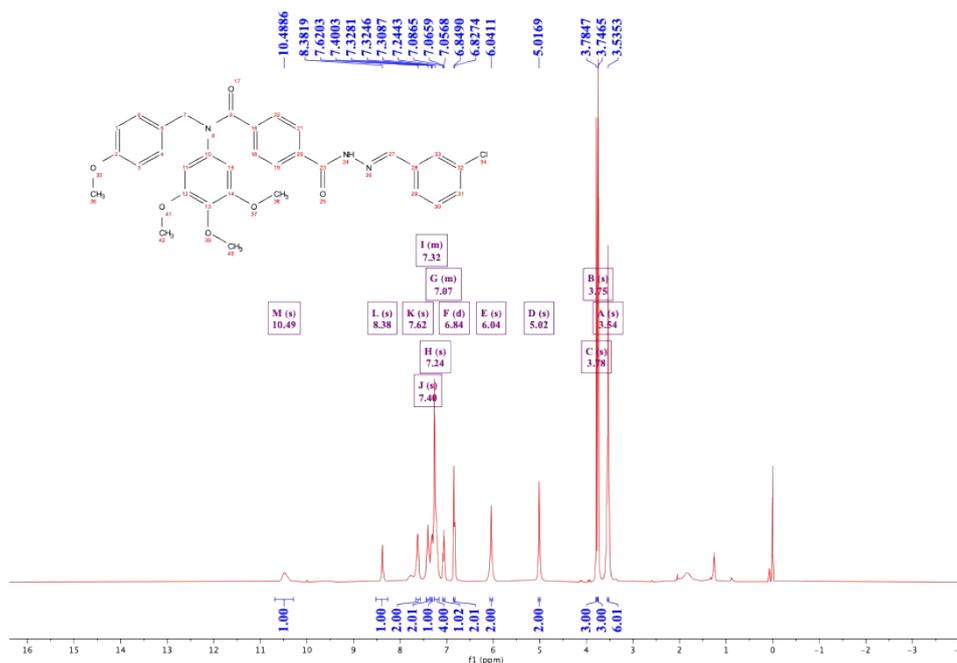


The  $^{13}\text{C}$  NMR spectrum of compound Q-11

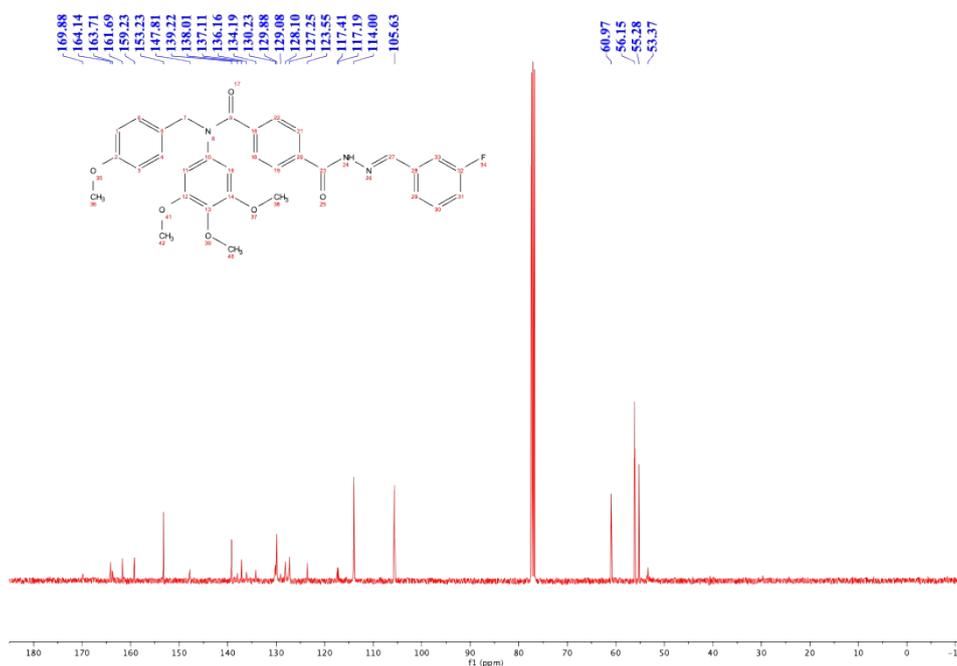


The HRMS spectrum of compound **Q-11**

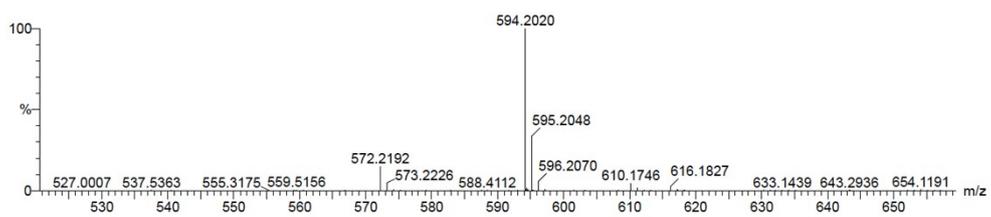
# Spectrum of compound Q-12 (<sup>1</sup>H NMR, <sup>13</sup>C NMR, HRMS)



The <sup>1</sup>H NMR spectrum of compound Q-12

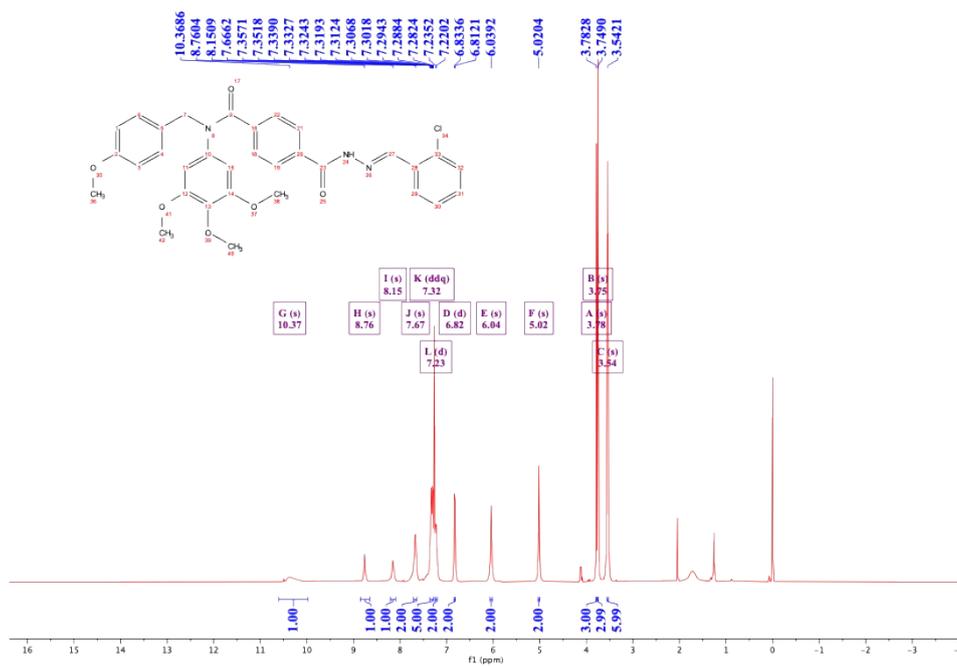


The <sup>13</sup>C NMR spectrum of compound Q-12

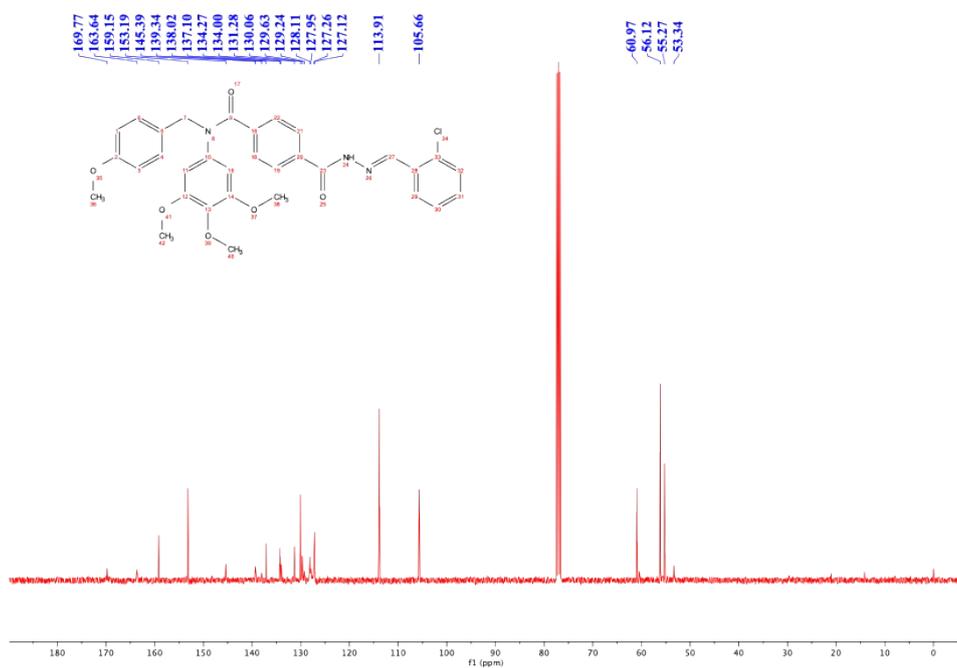


The HRMS spectrum of compound **Q-12**

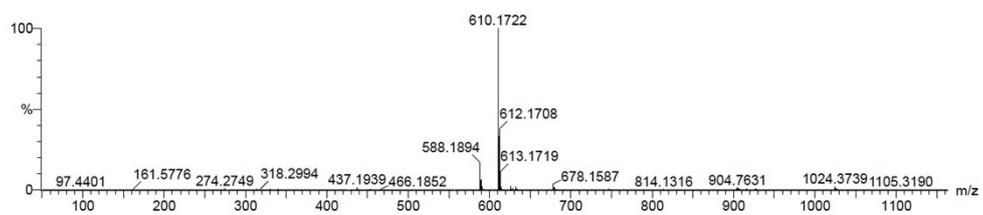
Spectrum of compound **Q-13** ( $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR, HRMS)



The  $^1\text{H}$  NMR spectrum of compound **Q-13**

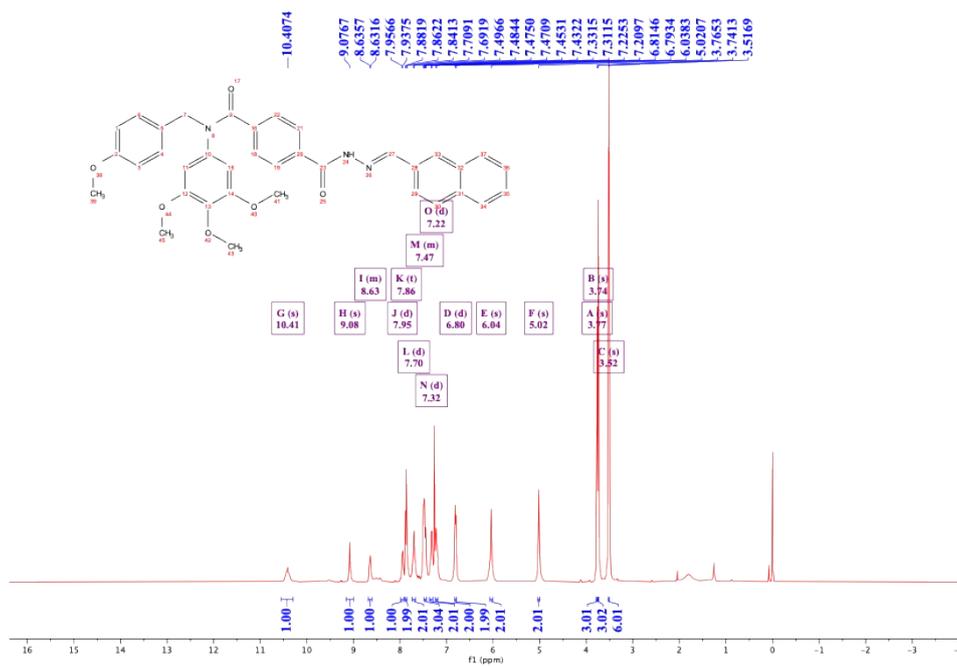


The  $^{13}\text{C}$  NMR spectrum of compound **Q-13**

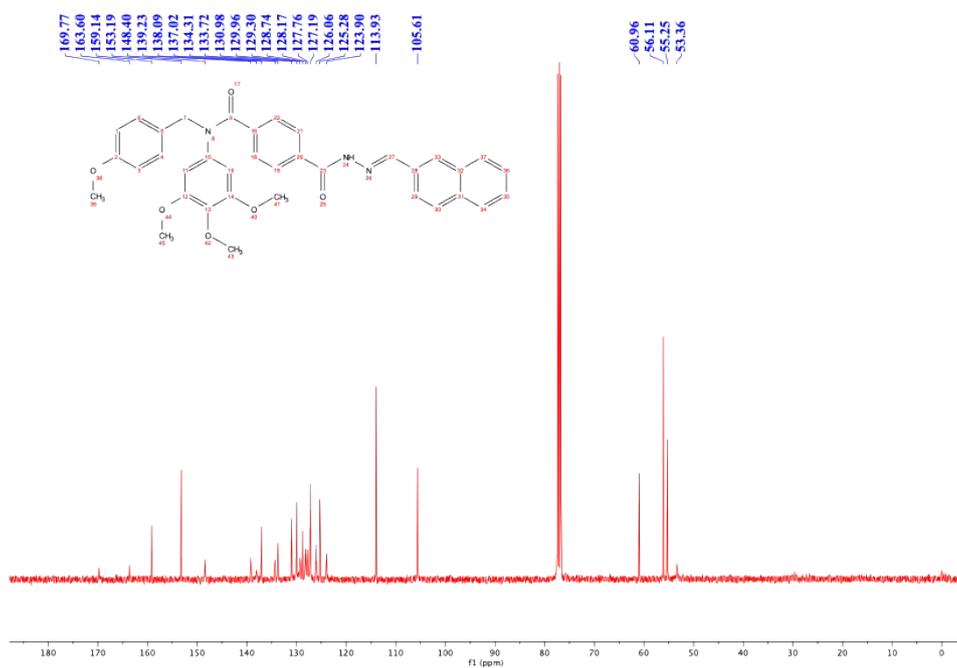


The HRMS spectrum of compound **Q-13**

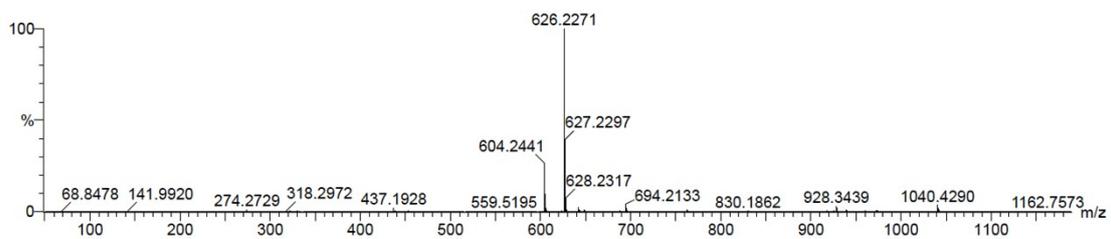
Spectrum of compound **Q-15** ( $^1\text{H}$  NMR,  $^{13}\text{C}$  NMR, HRMS)



The  $^1\text{H}$  NMR spectrum of compound **Q-15**

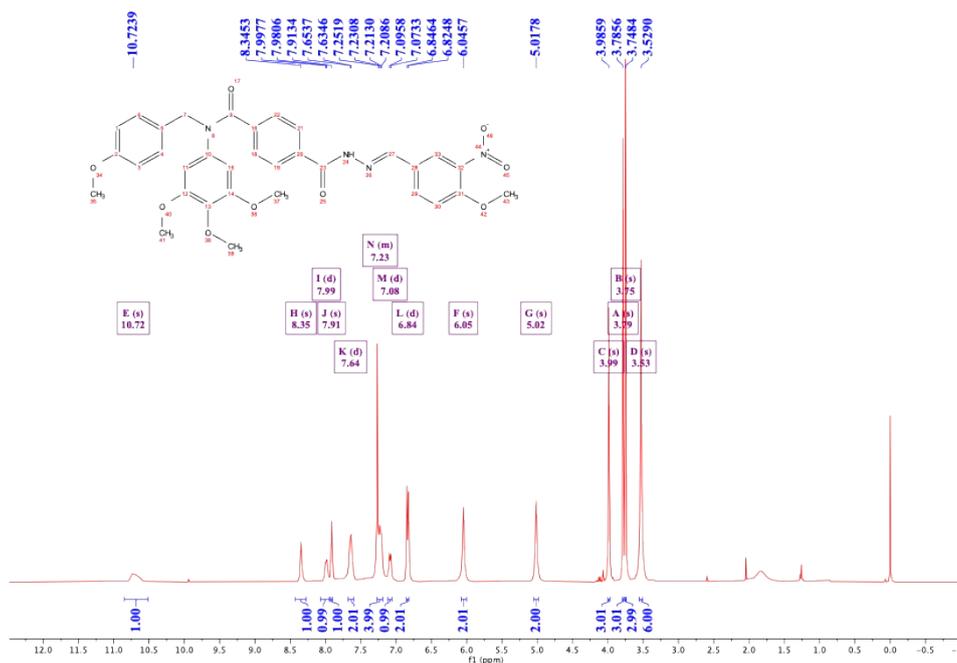


The  $^{13}\text{C}$  NMR spectrum of compound **Q-15**

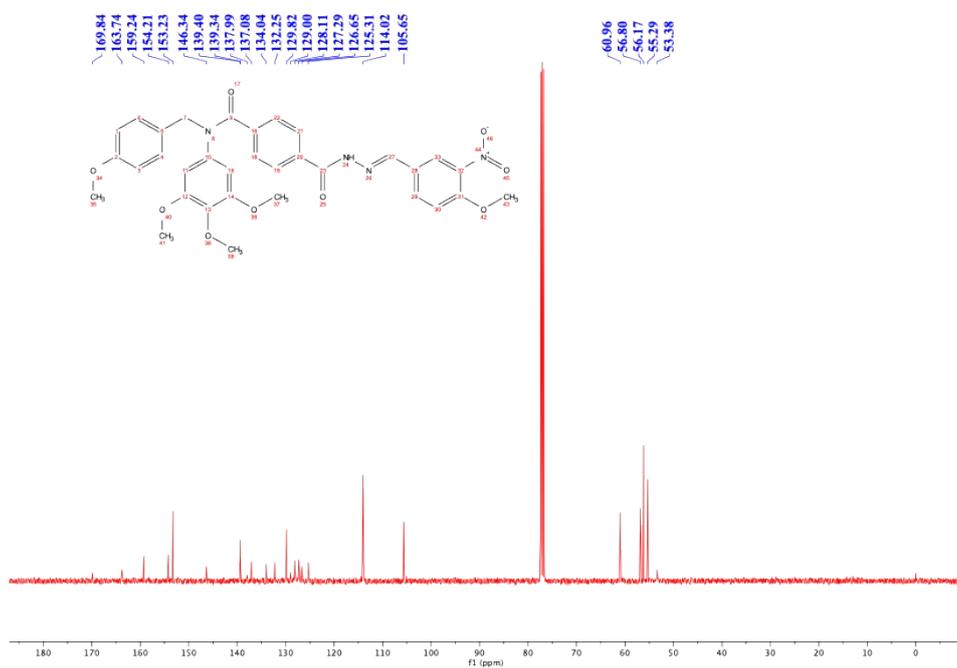


The HRMS spectrum of compound **Q-15**

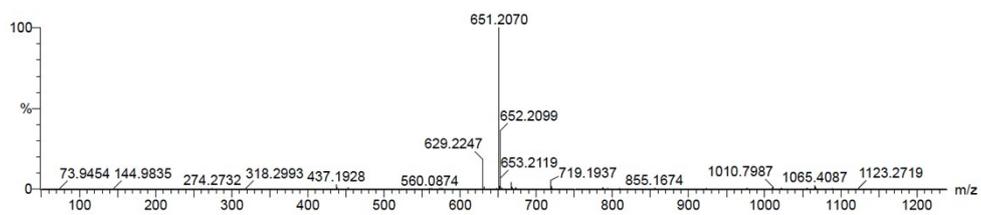
# Spectrum of compound Q-14 (<sup>1</sup>H NMR, <sup>13</sup>C NMR, HRMS)



The <sup>1</sup>H NMR spectrum of compound Q-14



The <sup>13</sup>C NMR spectrum of compound Q-14



The HRMS spectrum of compound **Q-14**

