

## Supplementary File

### Synthesis and biological evaluation of ursolic acid derivatives bearing triazole moieties as potential anti-*Toxoplasma gondii* agents

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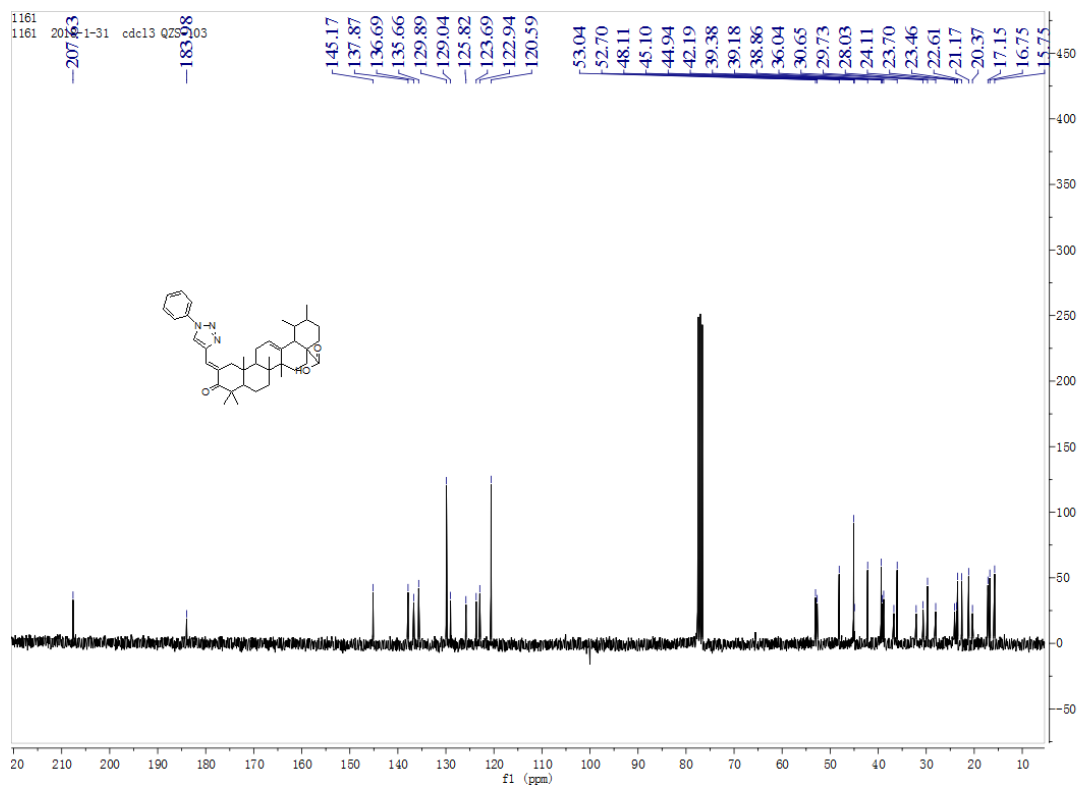
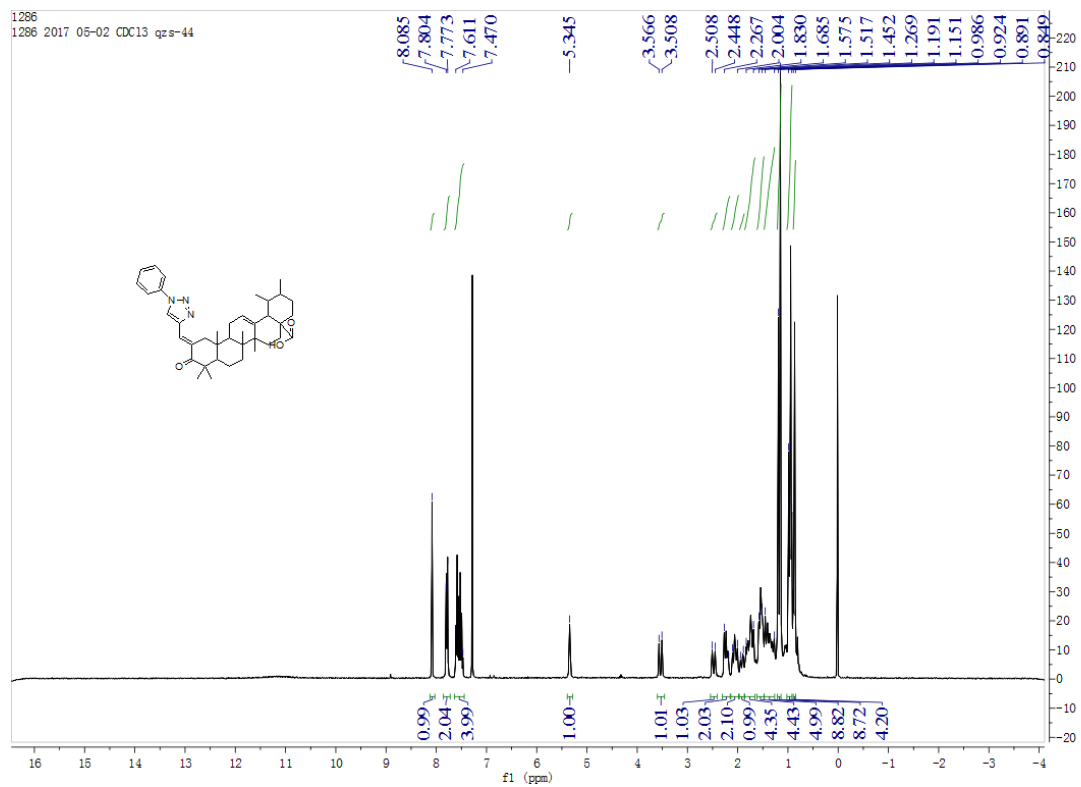
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<sup>#</sup>These authors contributed equally to this work.

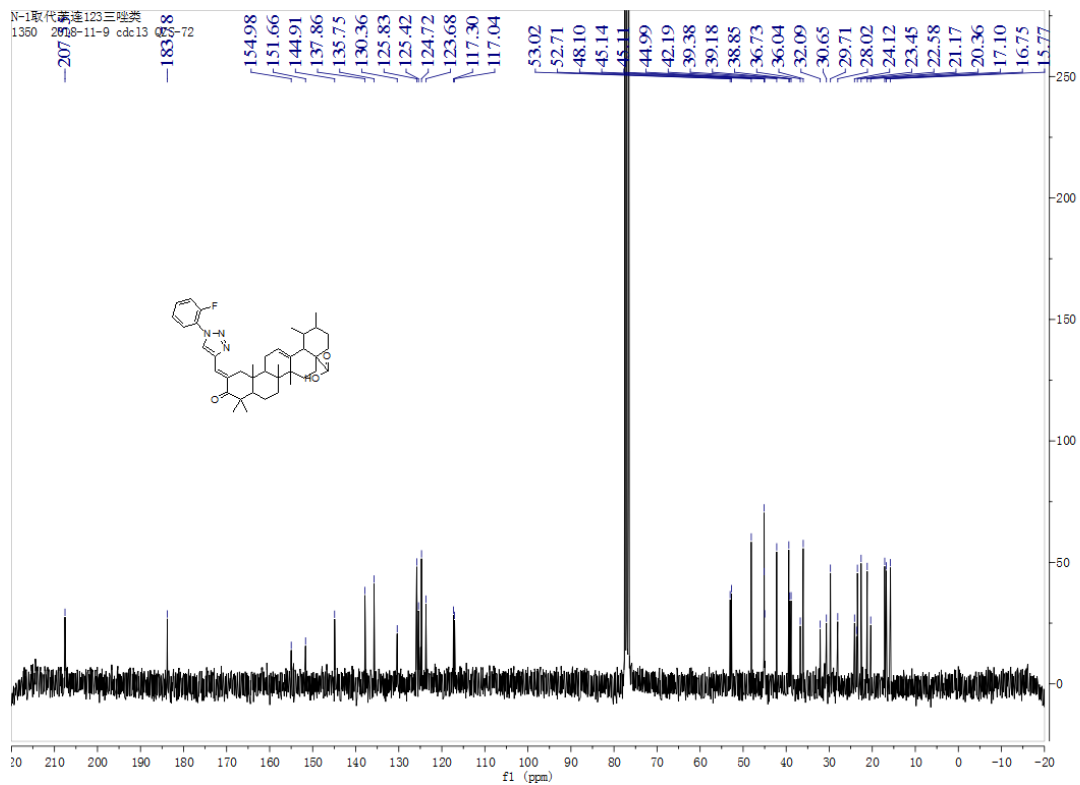
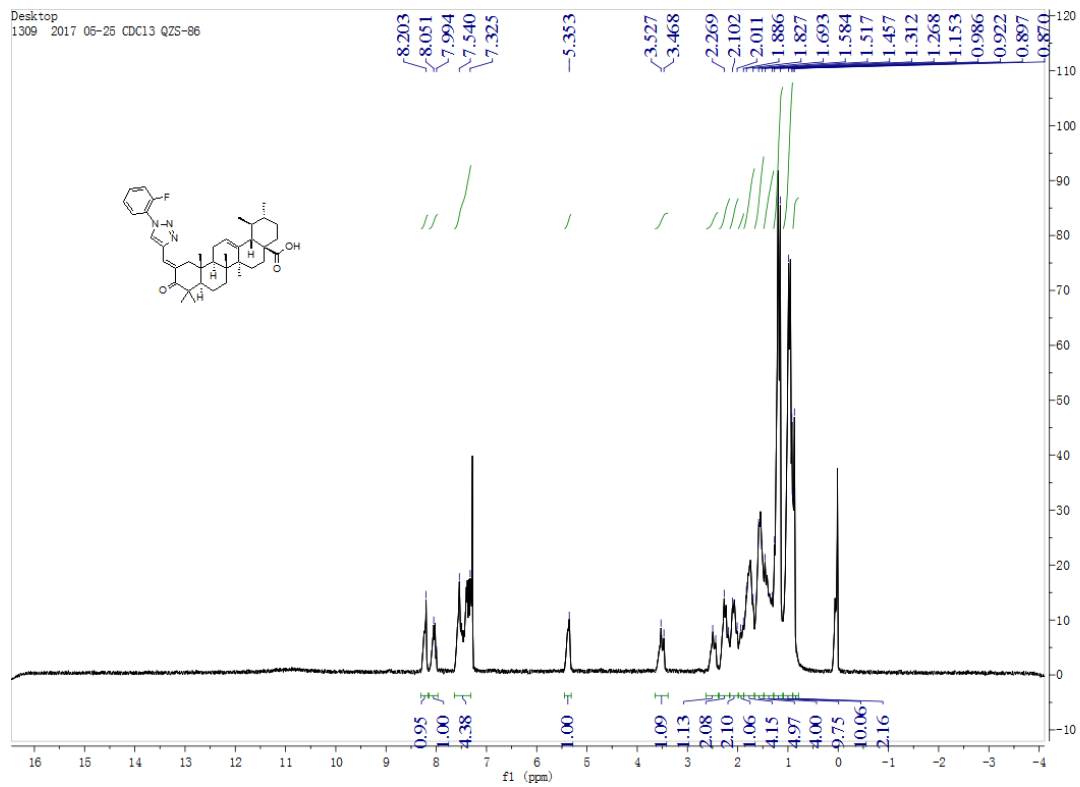
#### Table of contents:

<sup>1</sup> H NMR and <sup>13</sup> C NMR spectra of compound <b>1a</b>	page 3
<sup>1</sup> H NMR and <sup>13</sup> C NMR spectra of compound <b>1b</b>	page 4
<sup>1</sup> H NMR and <sup>13</sup> C NMR spectra of compound <b>1c</b>	page 5
<sup>1</sup> H NMR and <sup>13</sup> C NMR spectra of compound <b>1d</b>	page 6
<sup>1</sup> H NMR and <sup>13</sup> C NMR spectra of compound <b>1e</b>	page 7
<sup>1</sup> H NMR and <sup>13</sup> C NMR spectra of compound <b>1f</b>	page 8
<sup>1</sup> H NMR and <sup>13</sup> C NMR spectra of compound <b>1g</b>	page 9
<sup>1</sup> H NMR and <sup>13</sup> C NMR spectra of compound <b>1h</b>	page 10
<sup>1</sup> H NMR and <sup>13</sup> C NMR spectra of compound <b>1i</b>	page 11

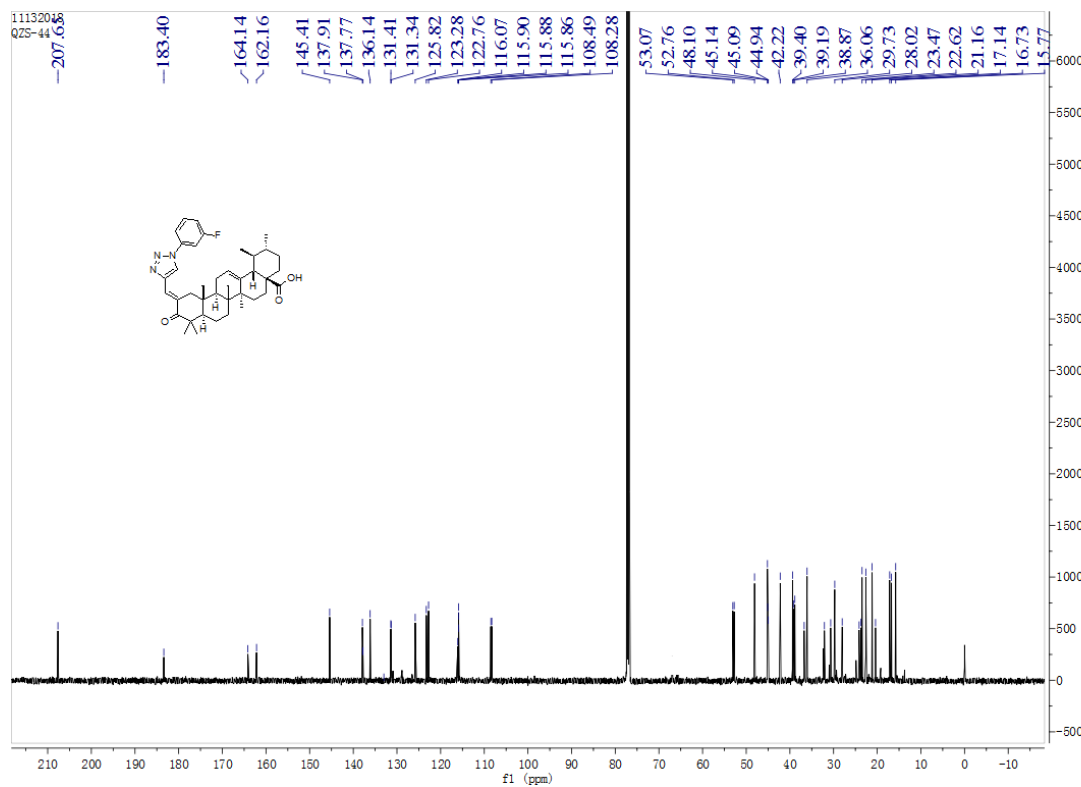
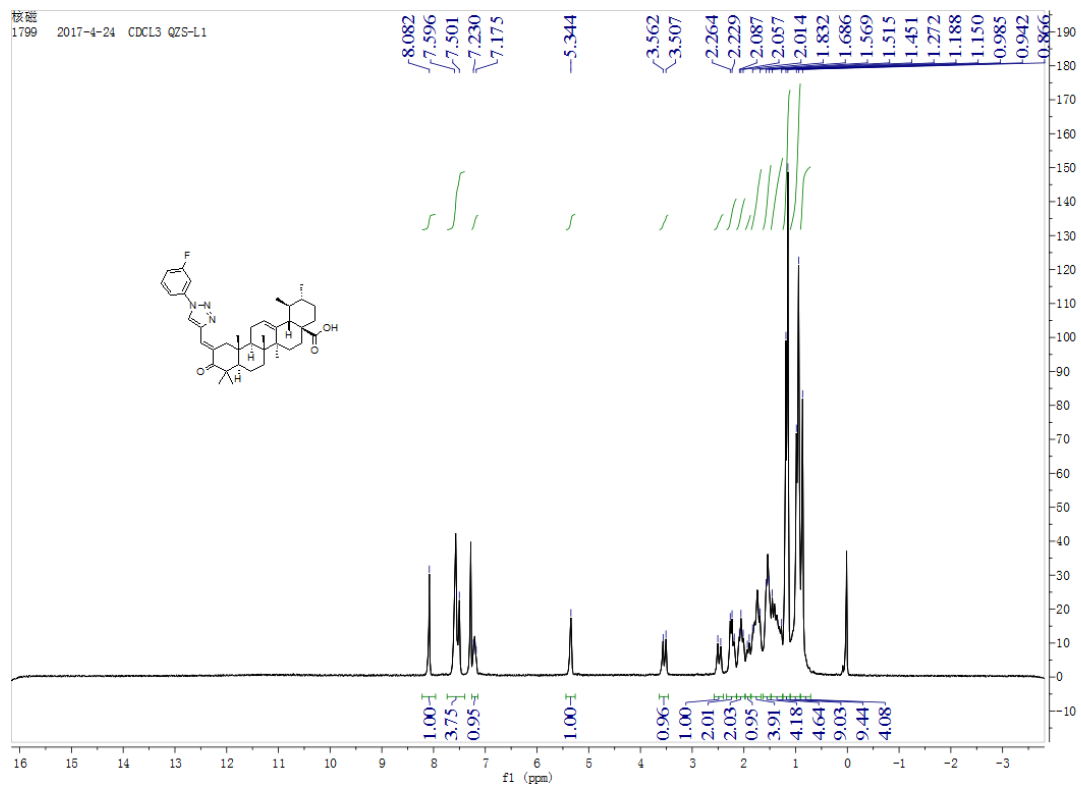
<sup>1</sup> H NMR and <sup>13</sup> C NMR spectra of compound <b>1j</b>	page 12
<sup>1</sup> H NMR and <sup>13</sup> C NMR spectra of compound <b>2a</b>	page 13
<sup>1</sup> H NMR and <sup>13</sup> C NMR spectra of compound <b>2b</b>	page 14
<sup>1</sup> H NMR and <sup>13</sup> C NMR spectra of compound <b>2c</b>	page 15
<sup>1</sup> H NMR and <sup>13</sup> C NMR spectra of compound <b>2d</b>	page 16
<sup>1</sup> H NMR and <sup>13</sup> C NMR spectra of compound <b>2e</b>	page 17
<sup>1</sup> H NMR and <sup>13</sup> C NMR spectra of compound <b>3a</b>	page 18
<sup>1</sup> H NMR and <sup>13</sup> C NMR spectra of compound <b>3b</b>	page 19
<sup>1</sup> H NMR and <sup>13</sup> C NMR spectra of compound <b>3c</b>	page 20
<sup>1</sup> H NMR and <sup>13</sup> C NMR spectra of compound <b>3d</b>	page 21
<sup>1</sup> H NMR and <sup>13</sup> C NMR spectra of compound <b>3e</b>	page 22
<sup>1</sup> H-NMR spectra of intermediate <b>IIIId</b>	page 23



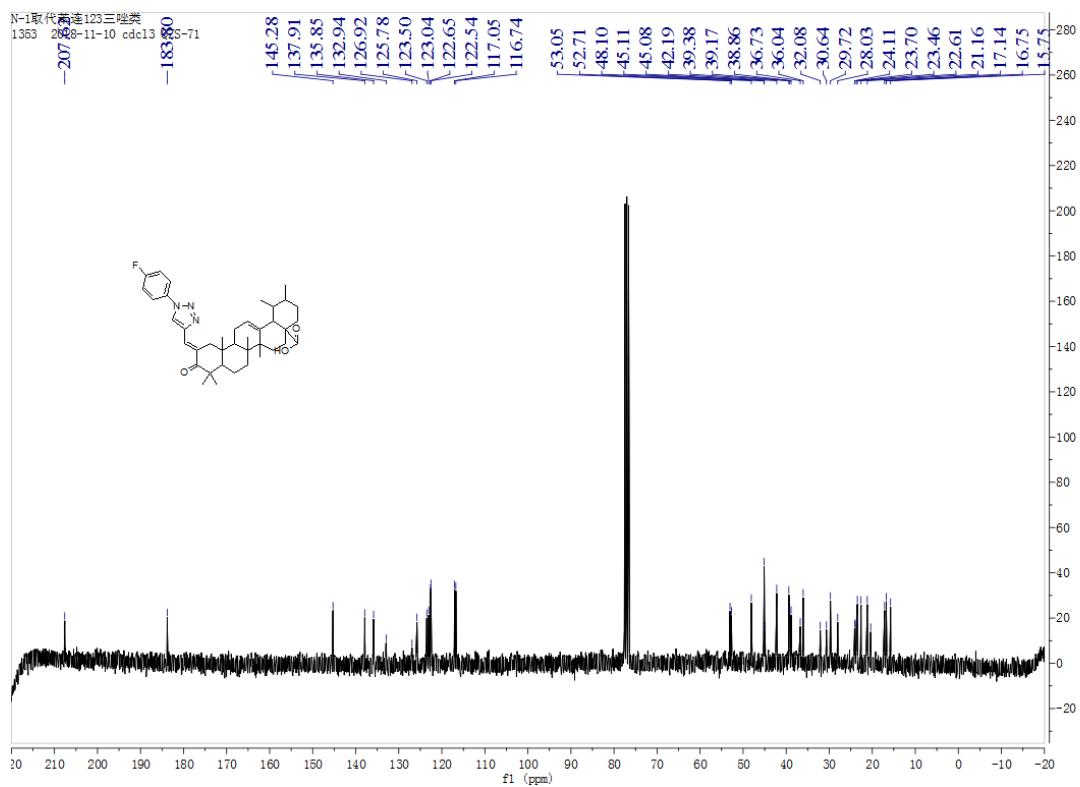
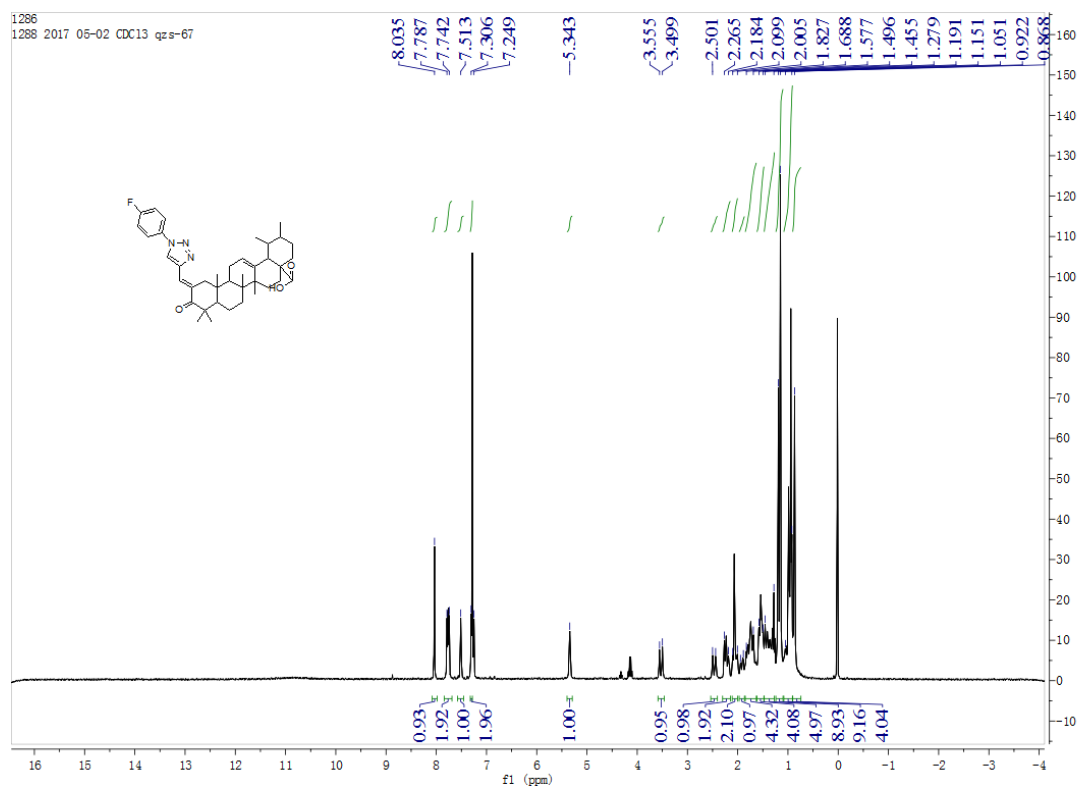
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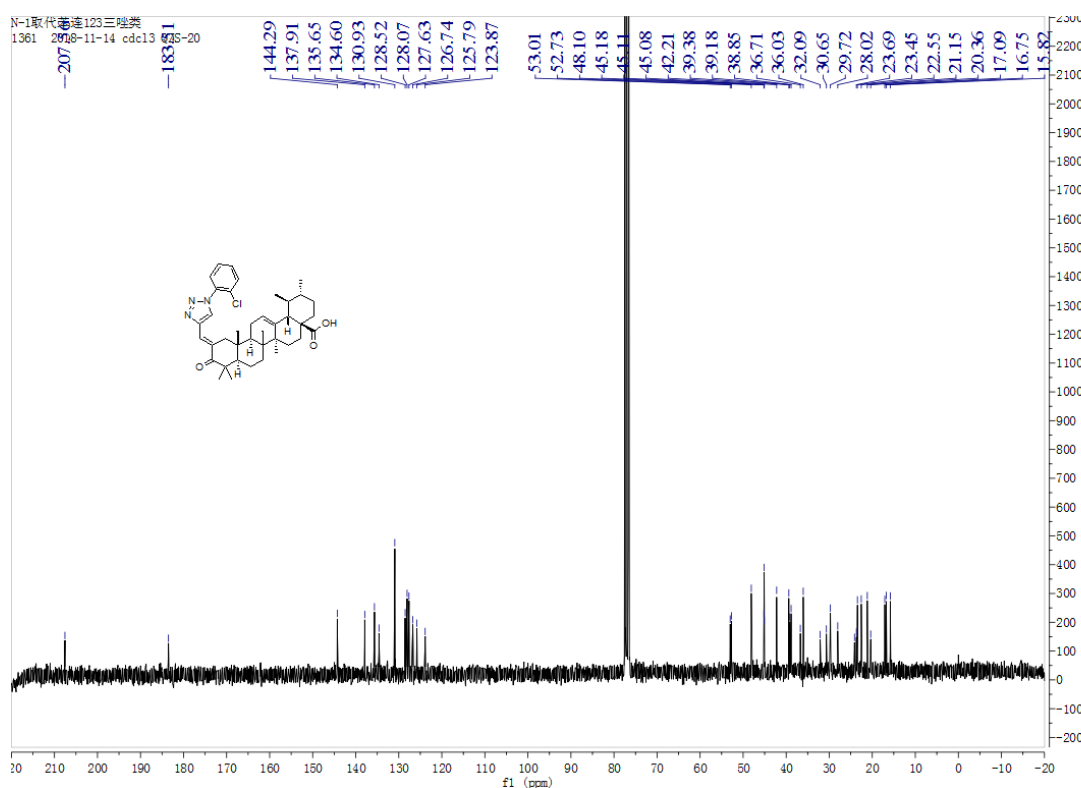
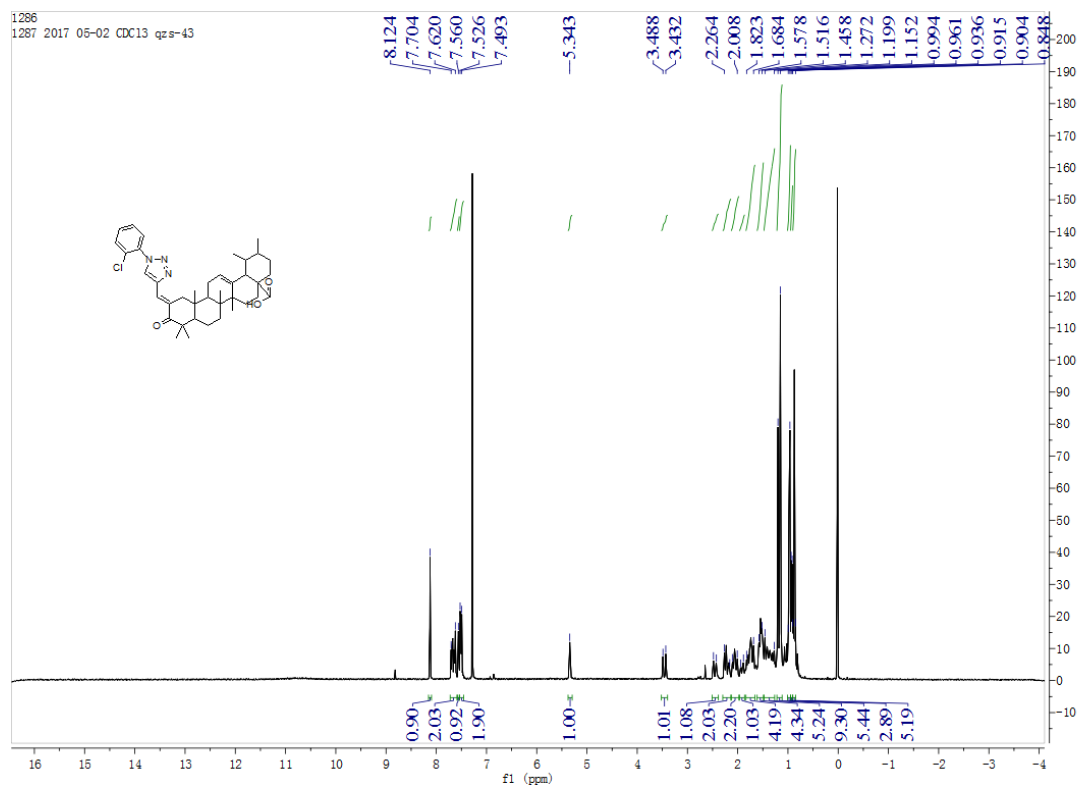
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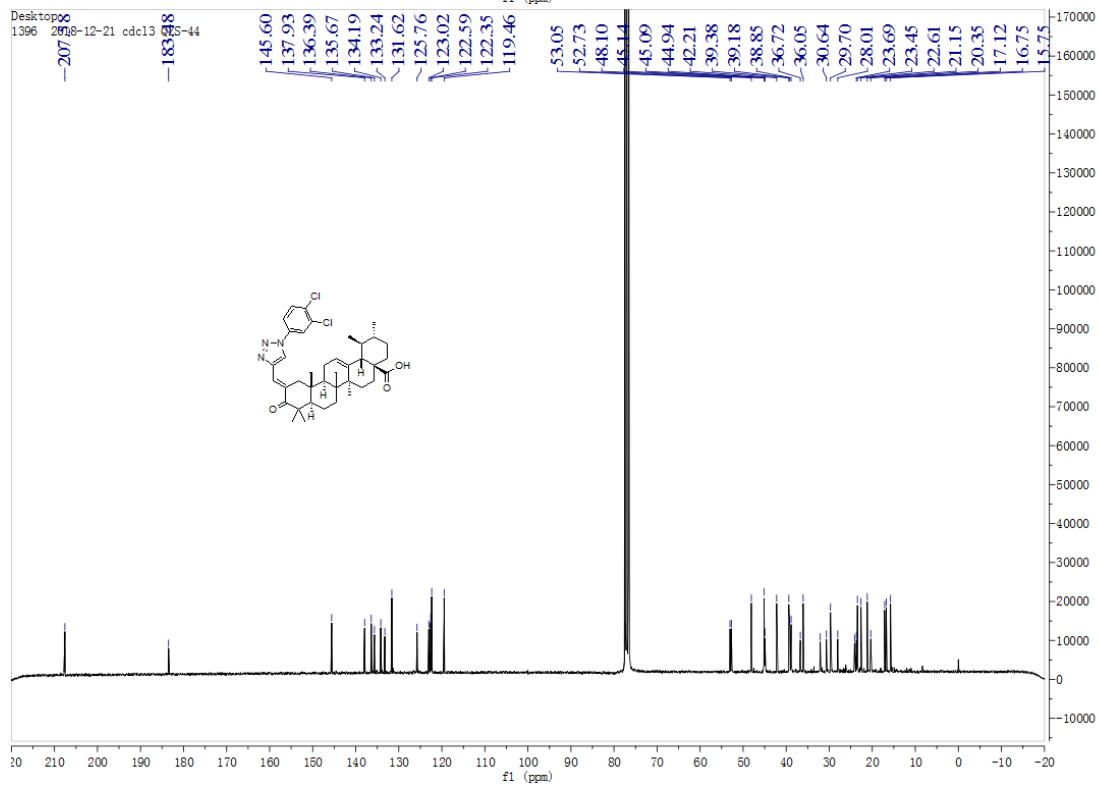
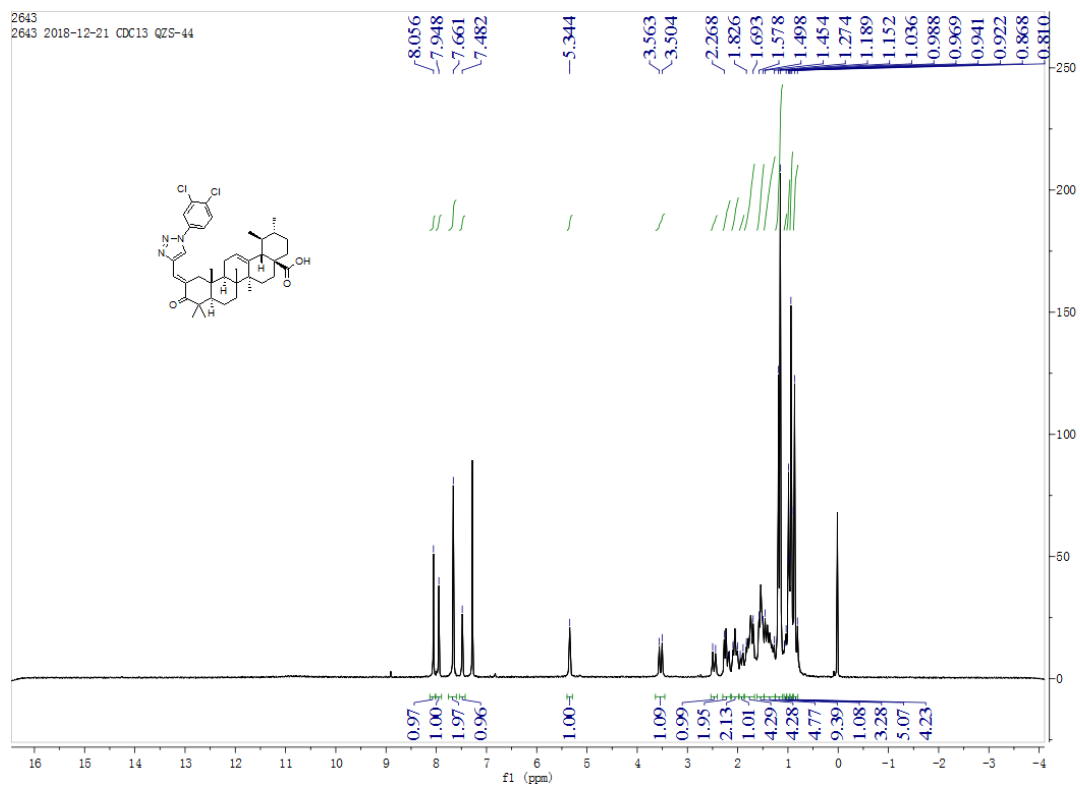
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<sup>1</sup>H NMR and <sup>13</sup>C NMR spectra of compound **1d**

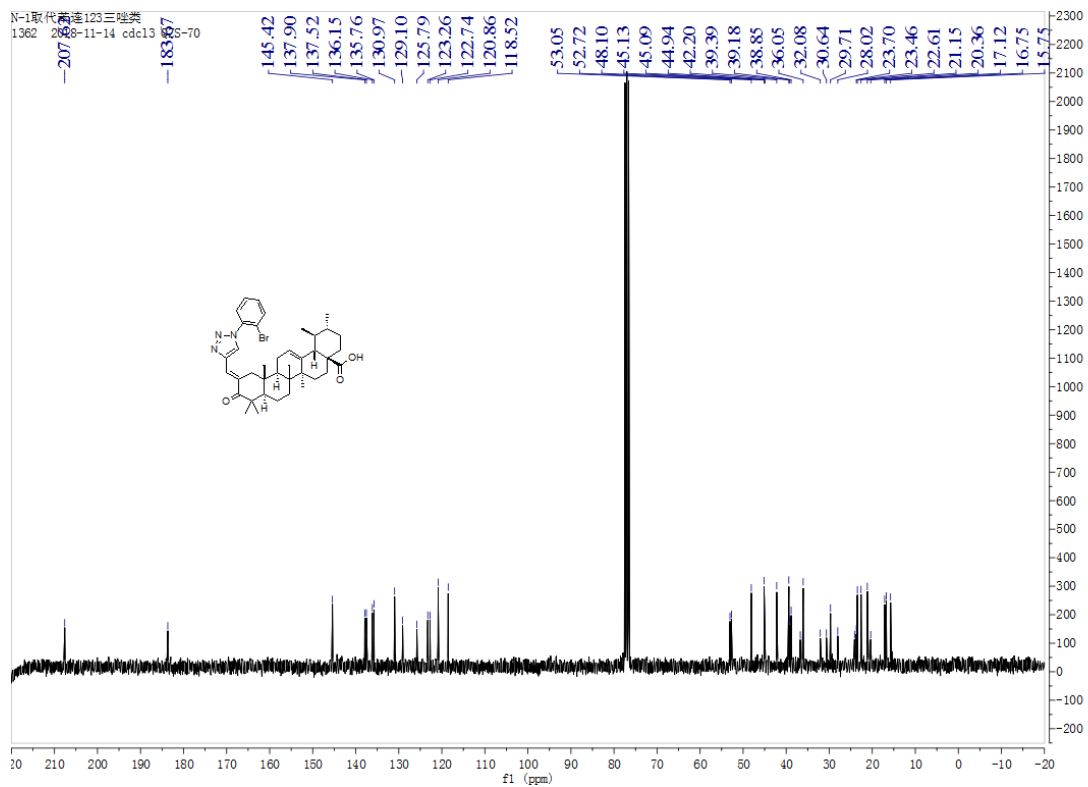
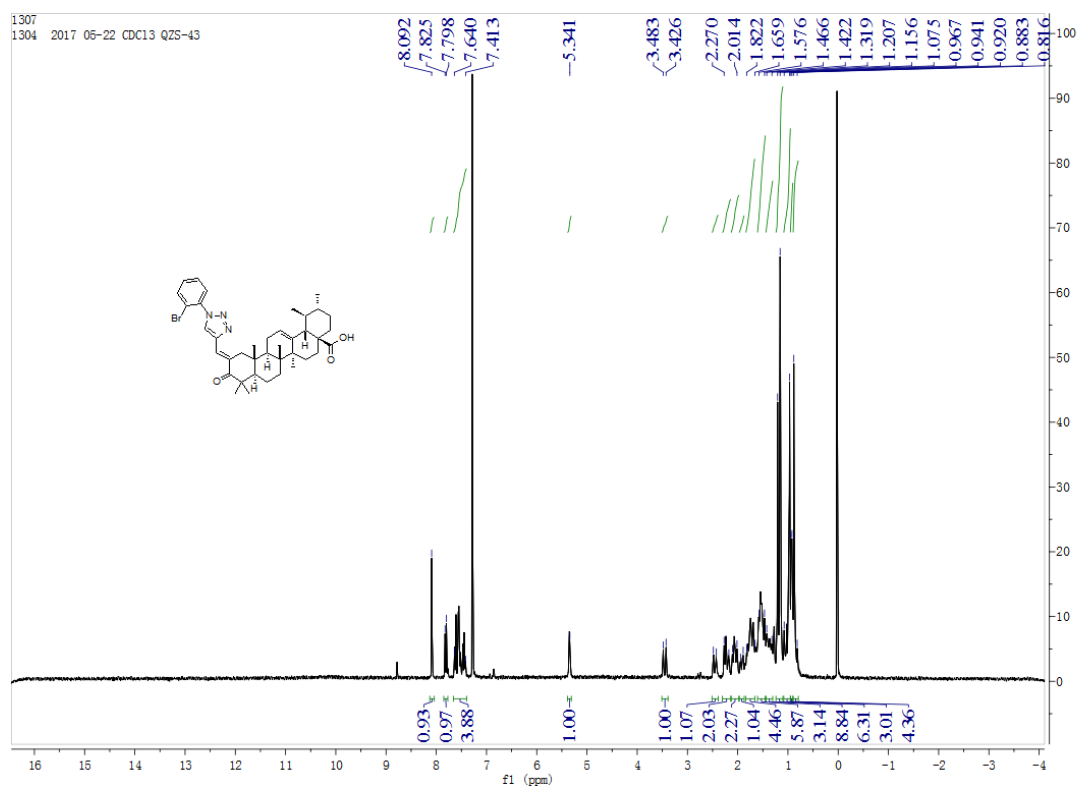


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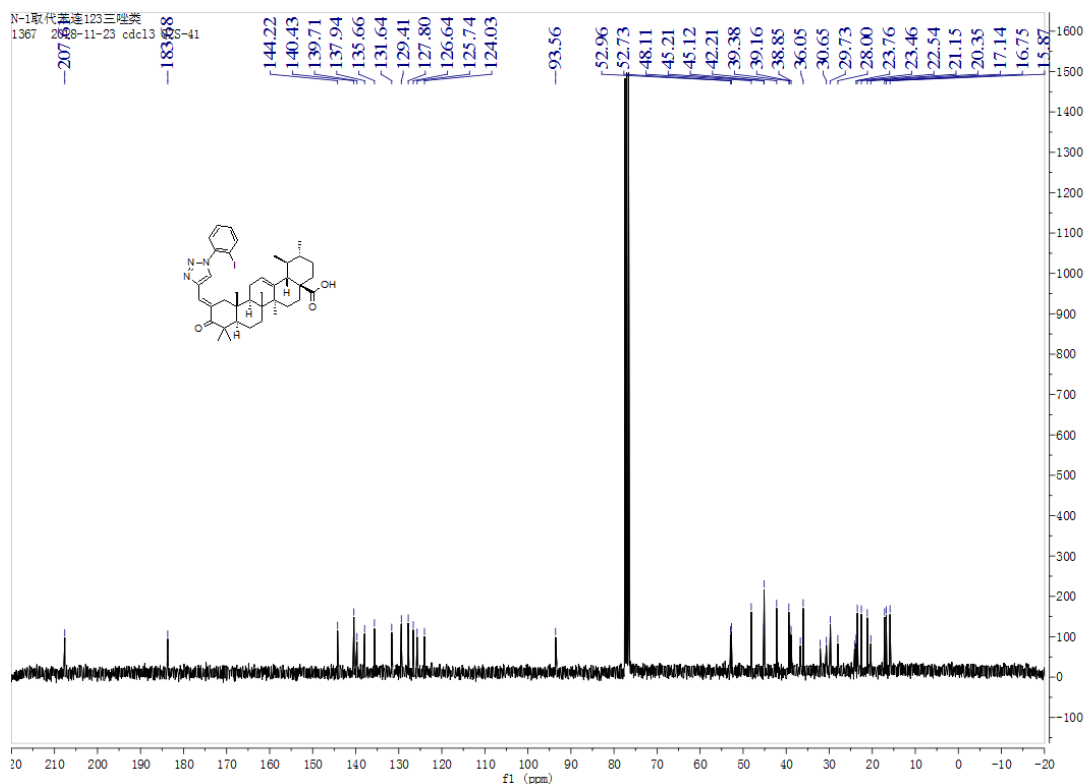
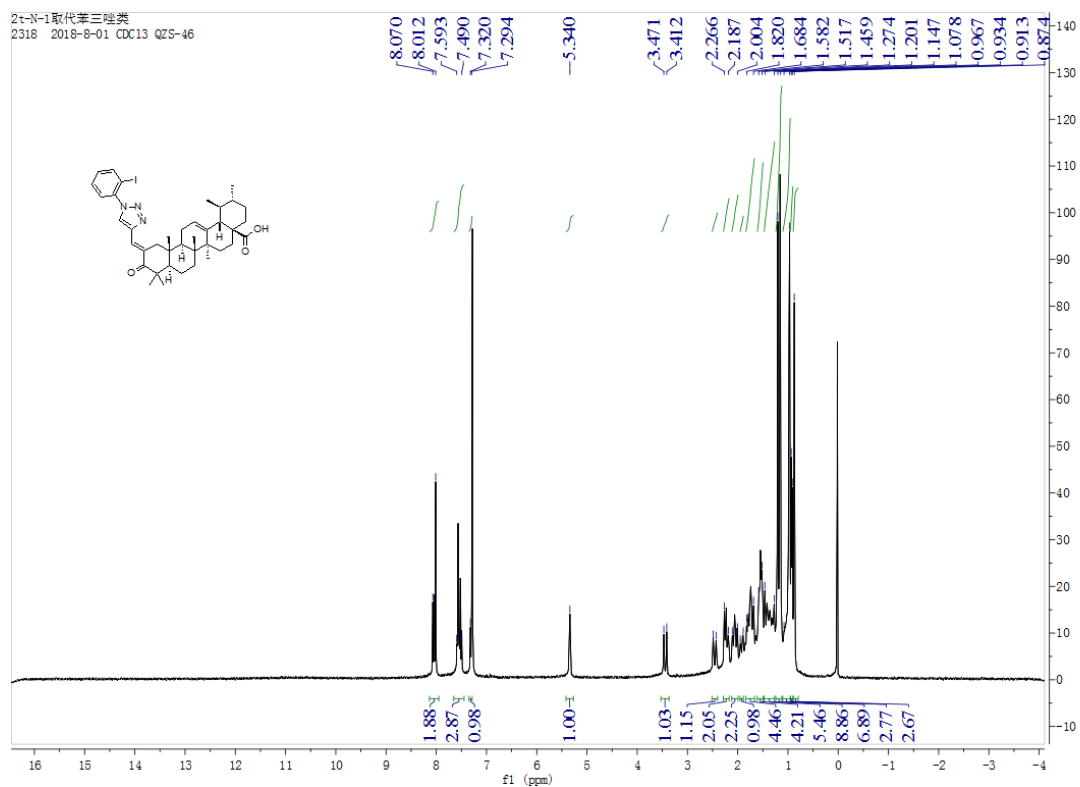


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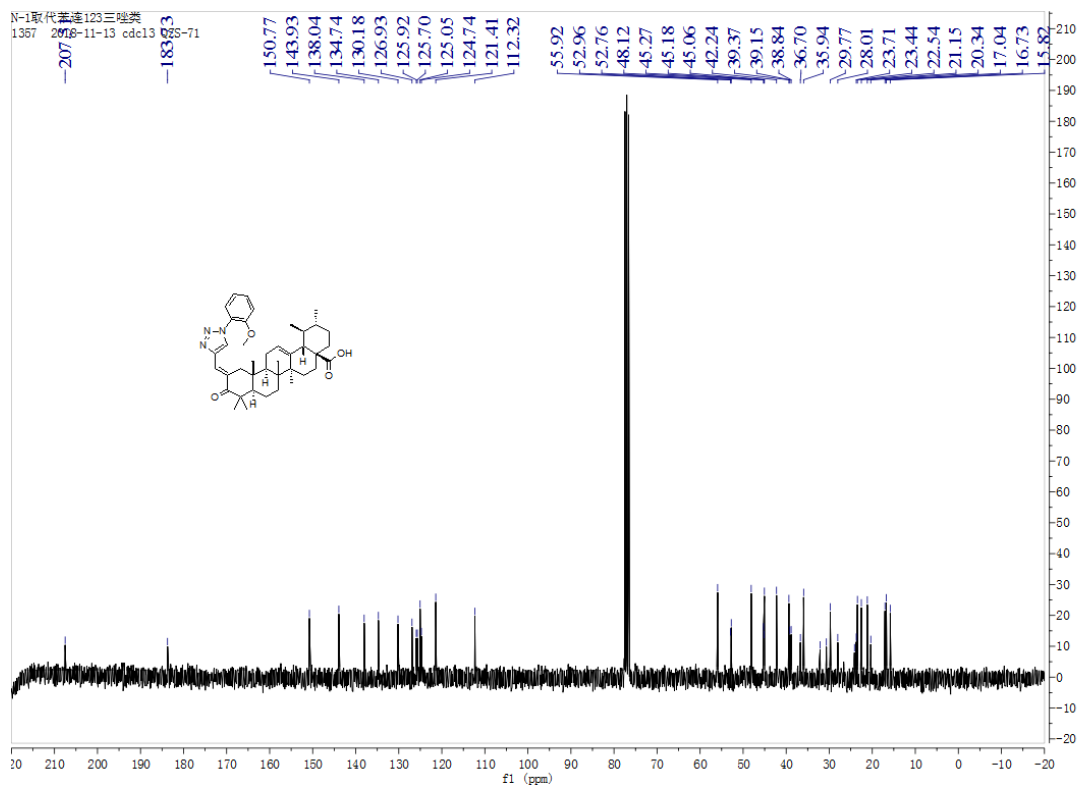
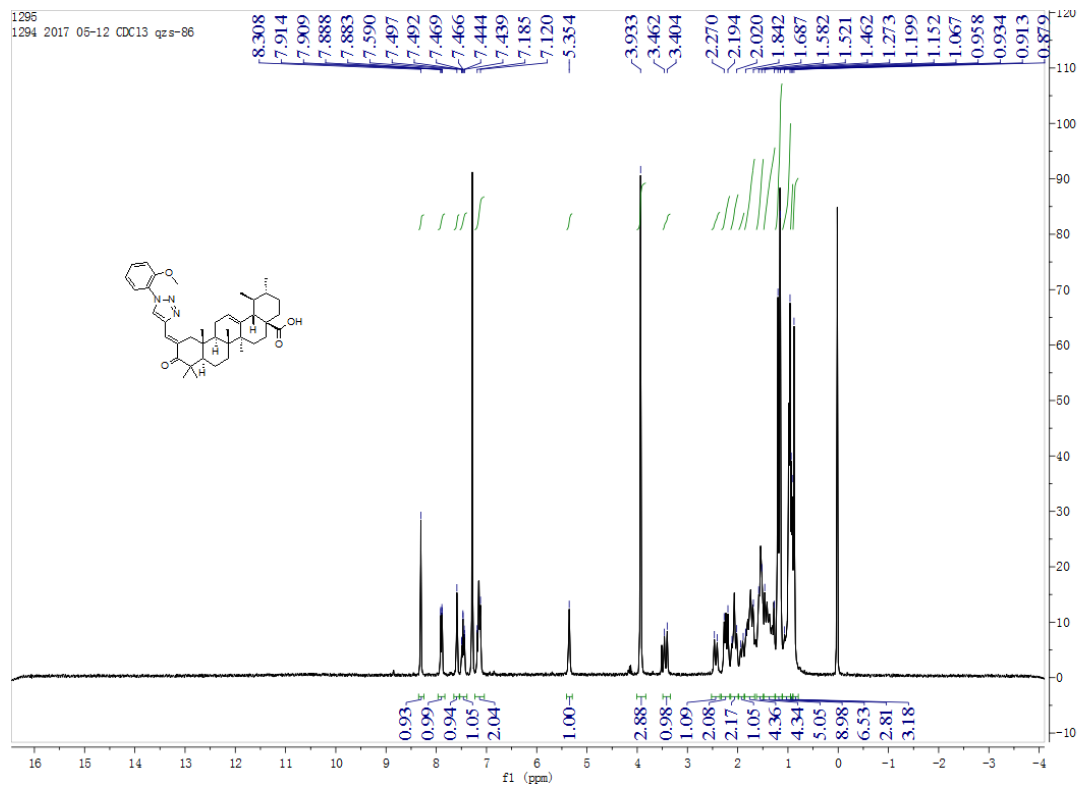




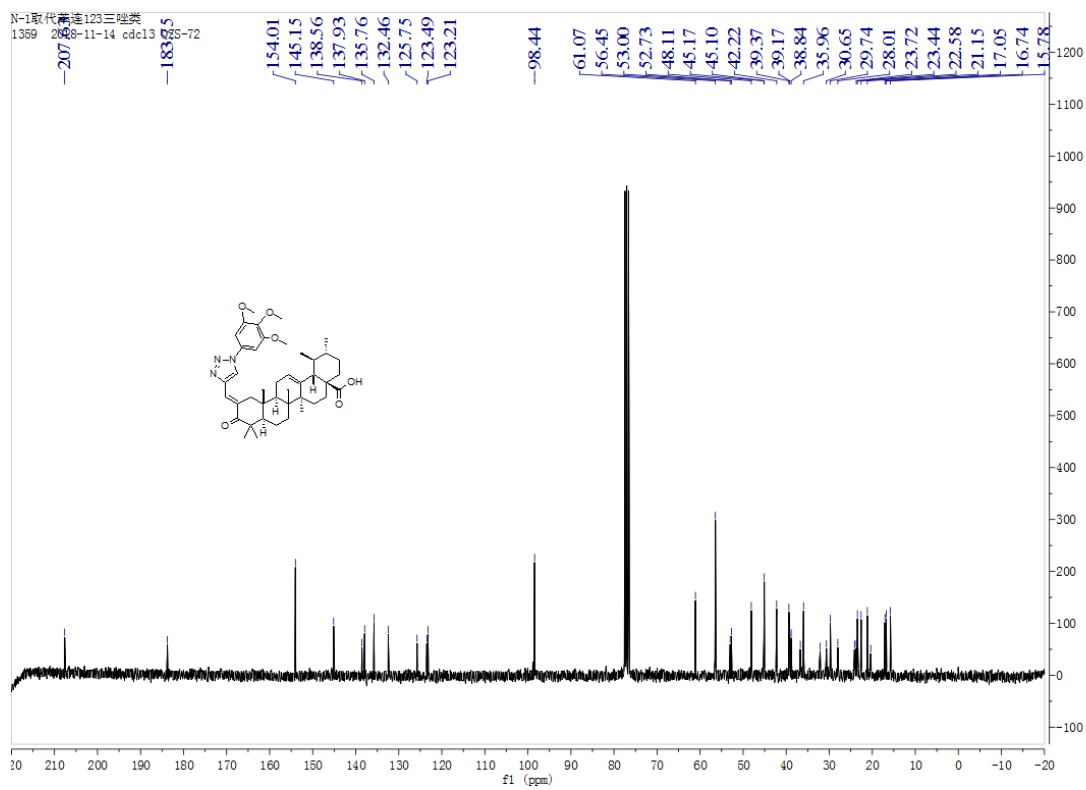
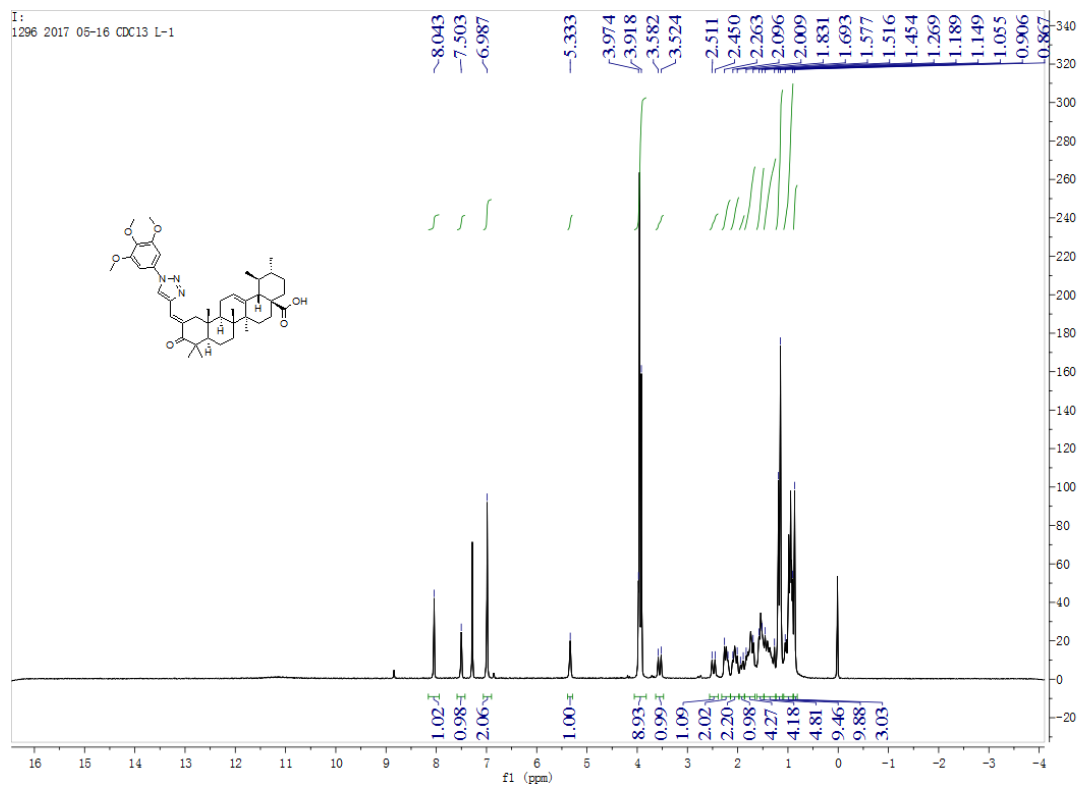
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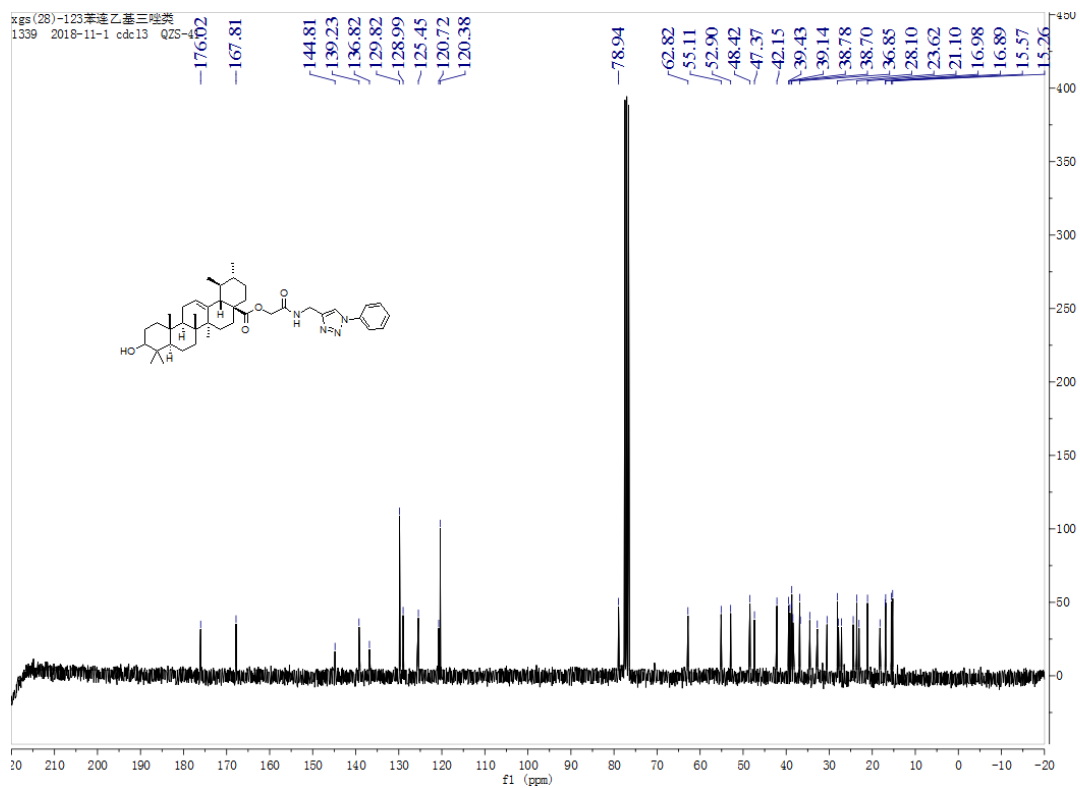
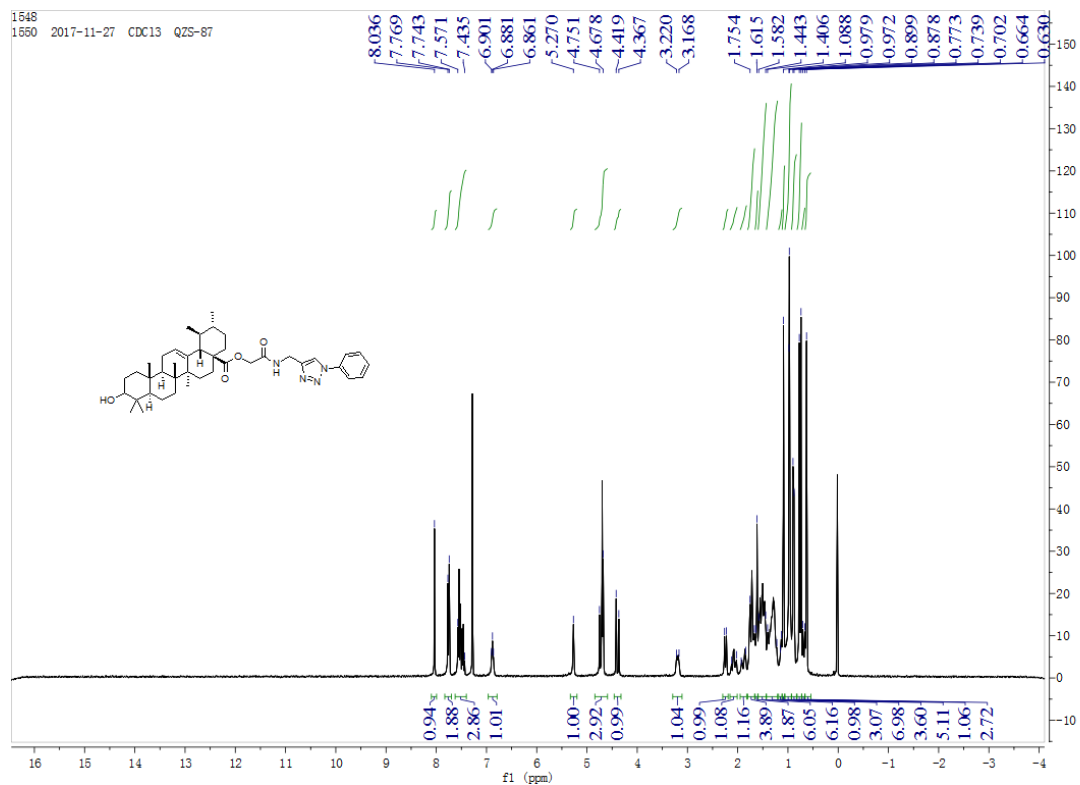
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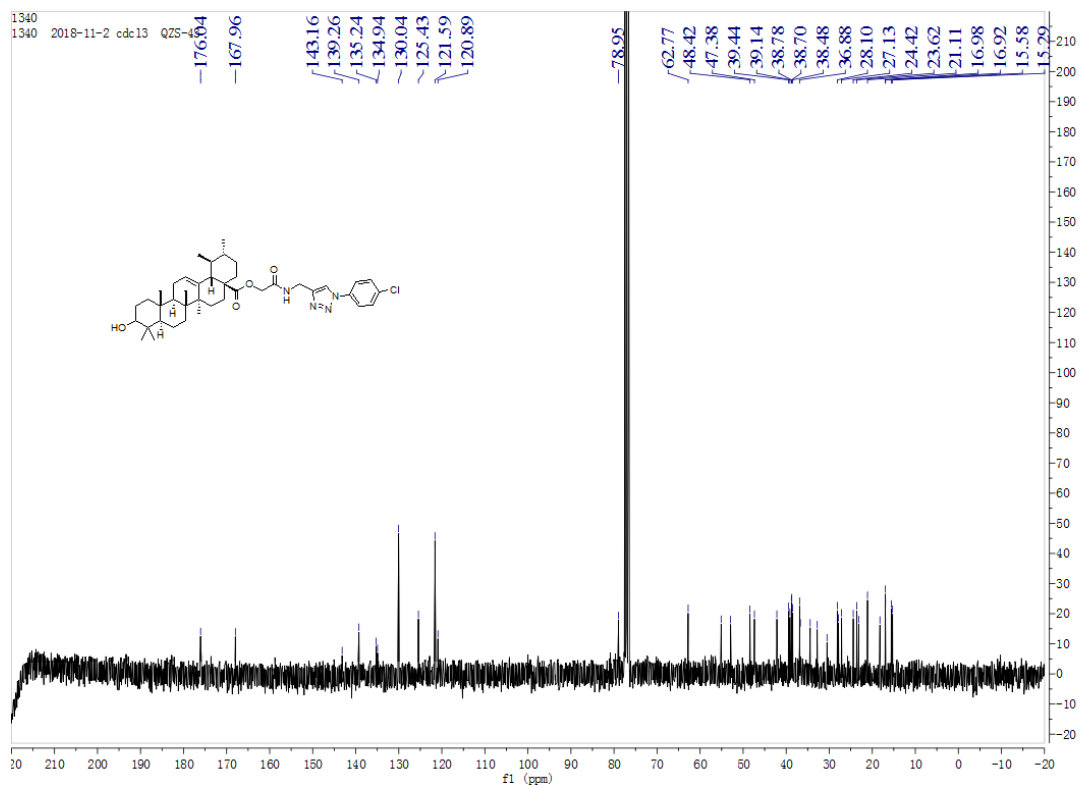
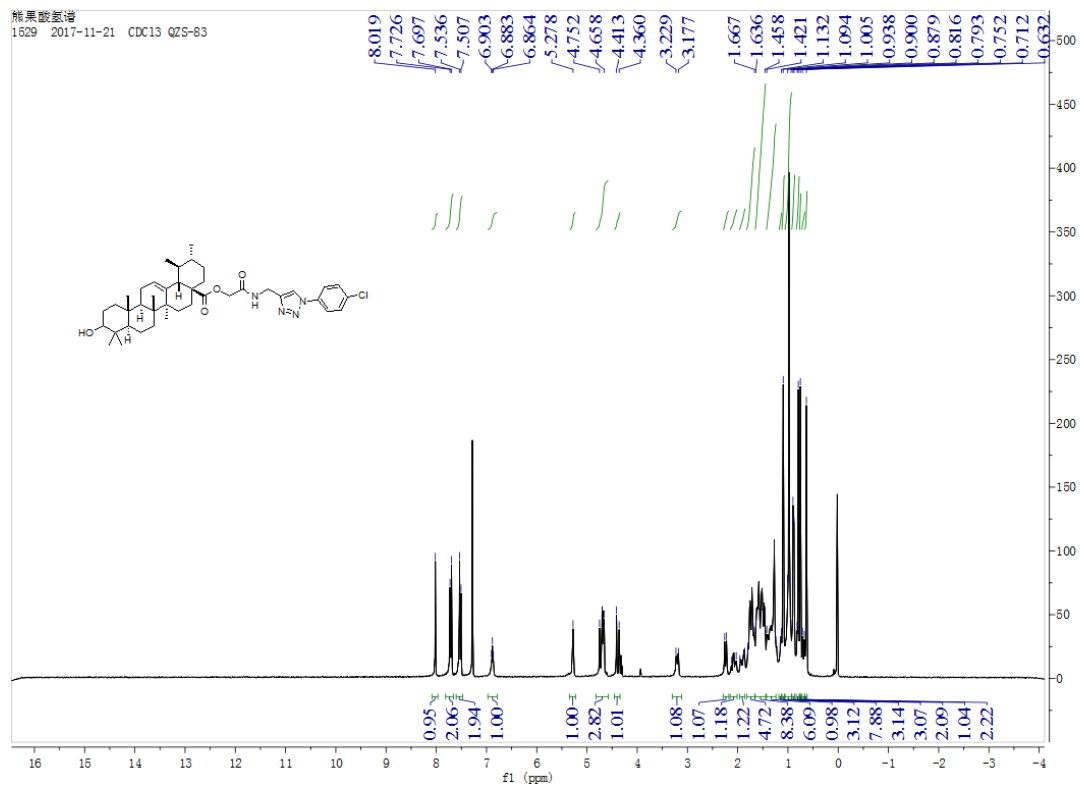
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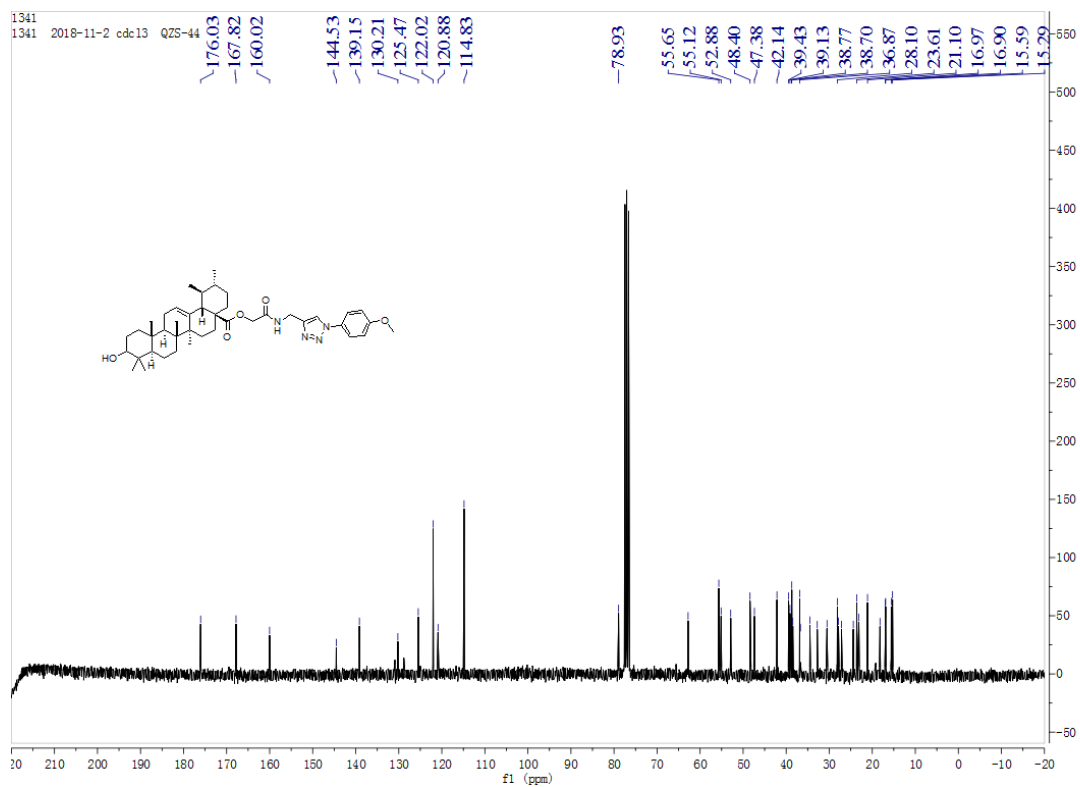
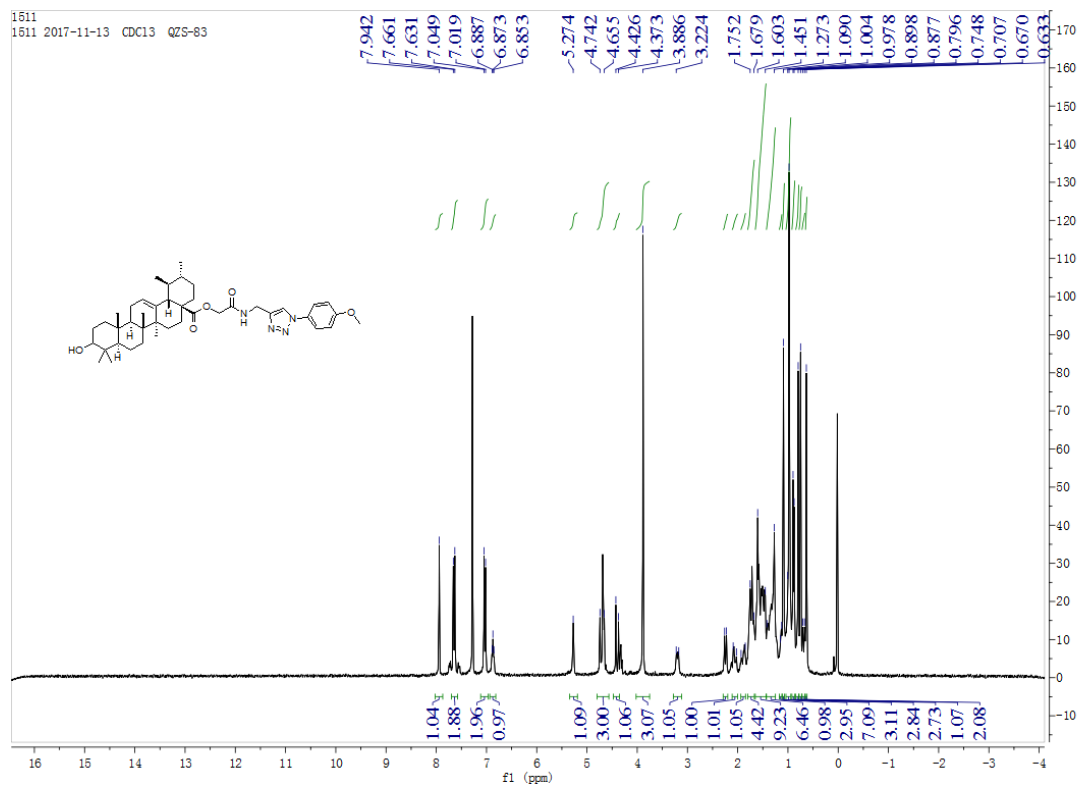
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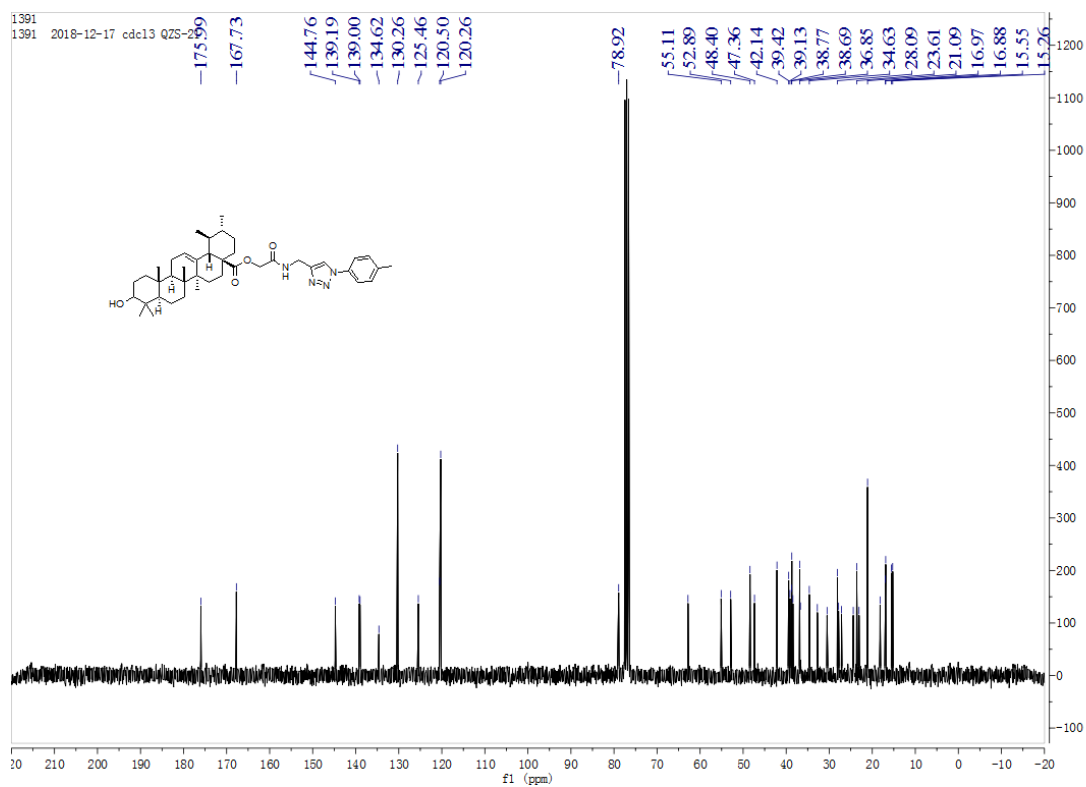
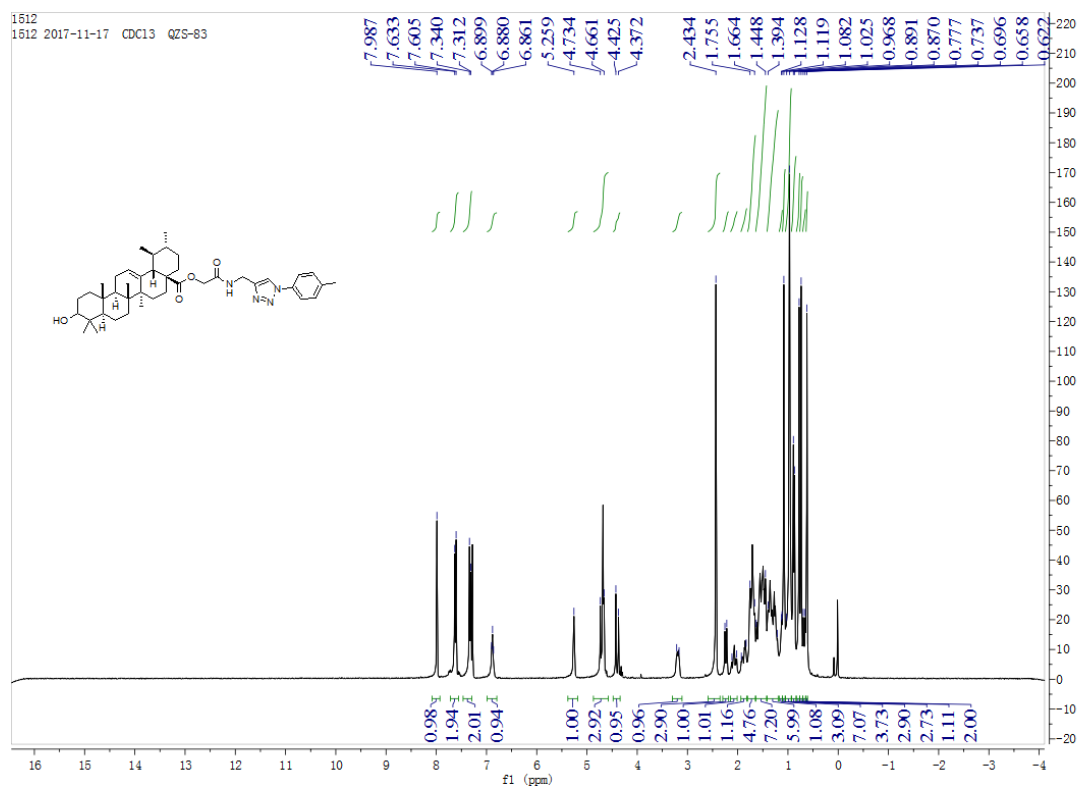
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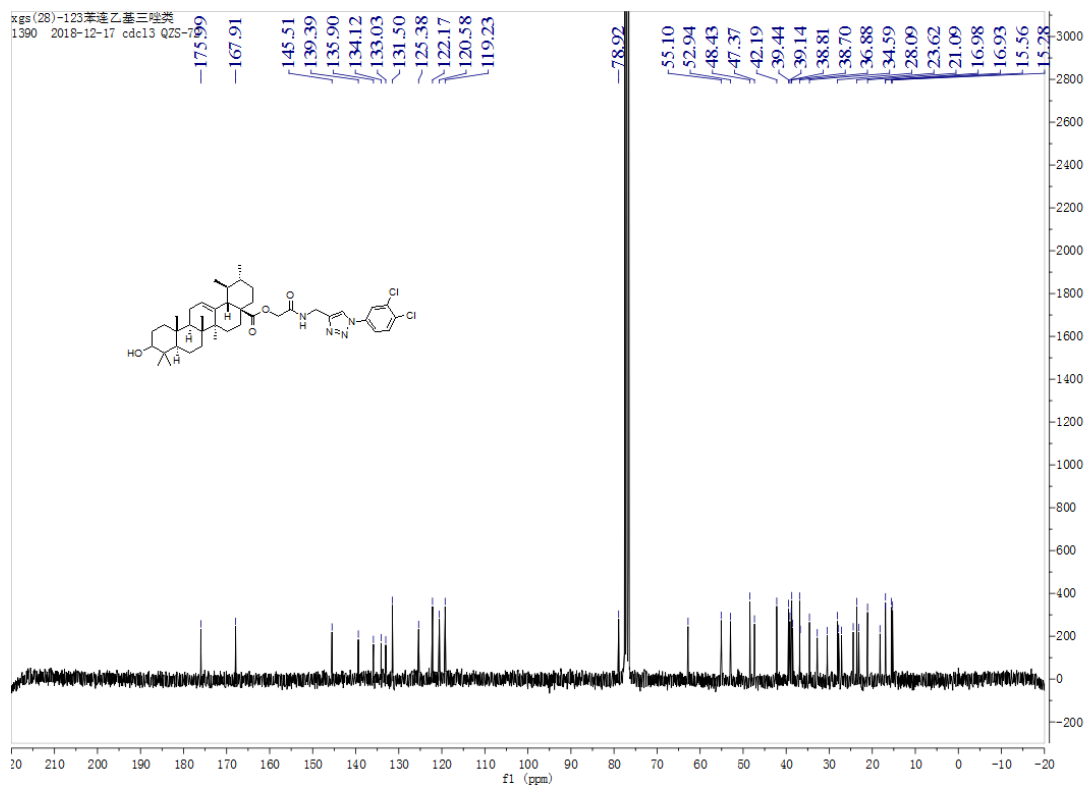
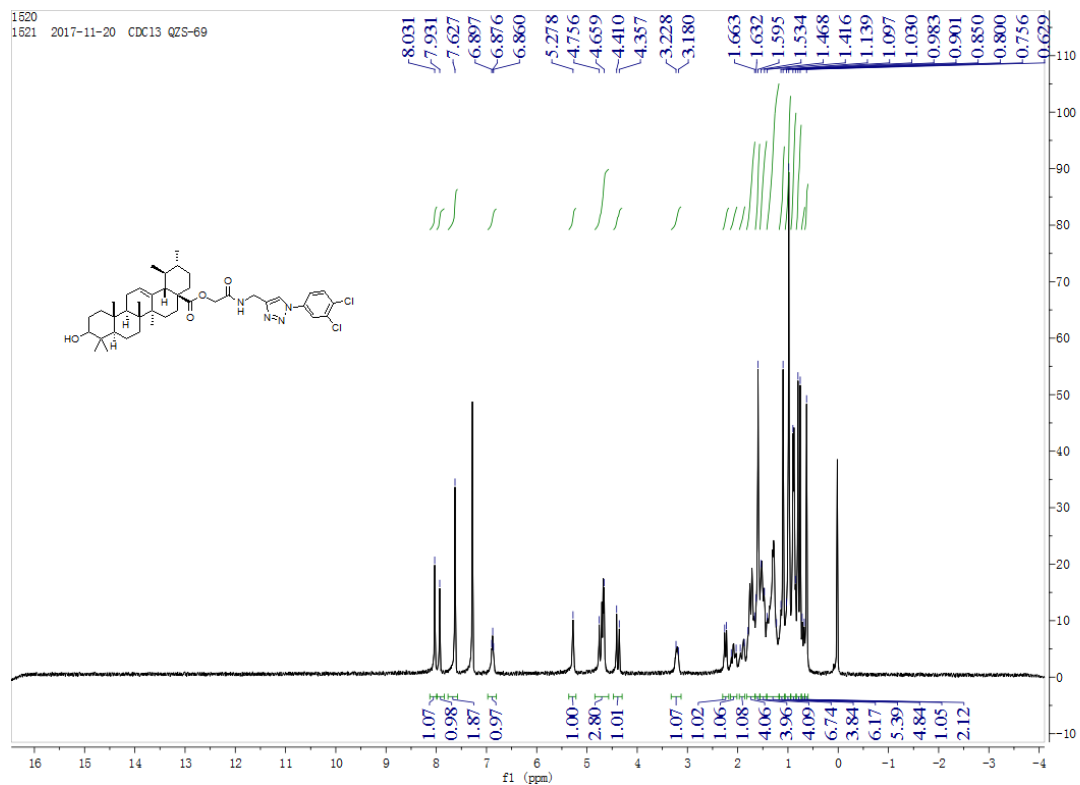


<sup>1</sup>H NMR and <sup>13</sup>C NMR spectra of compound 2c



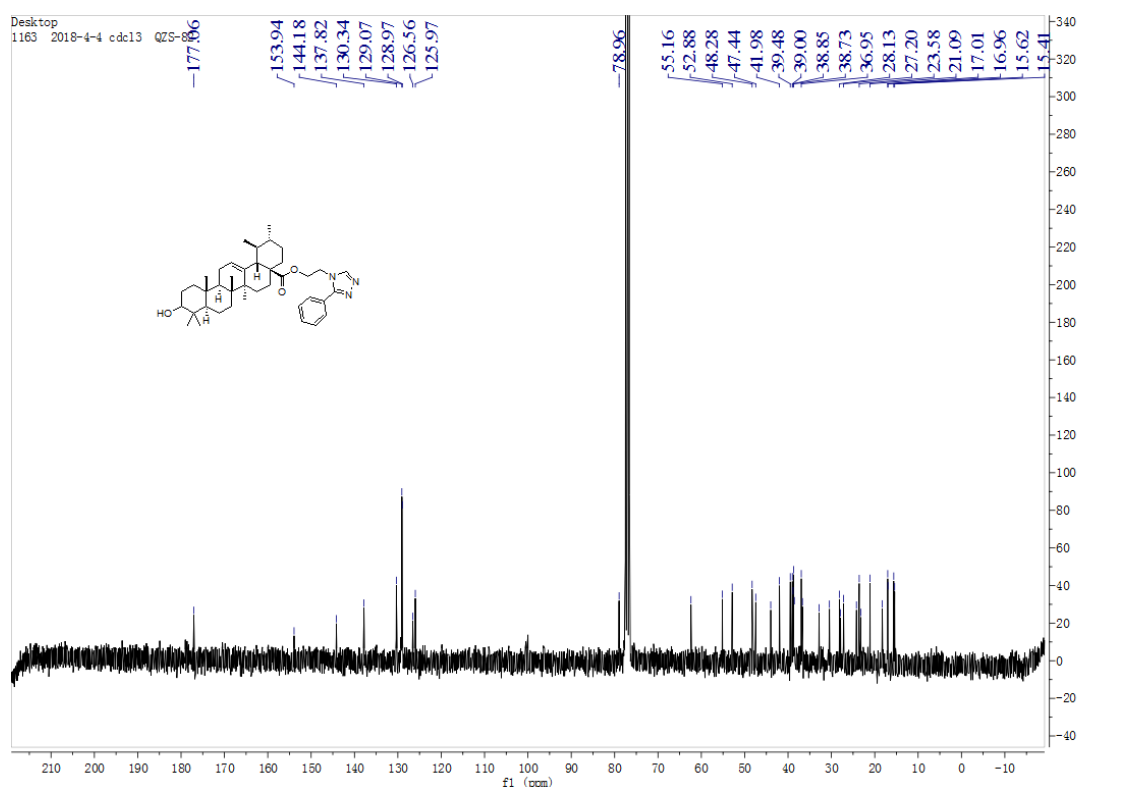
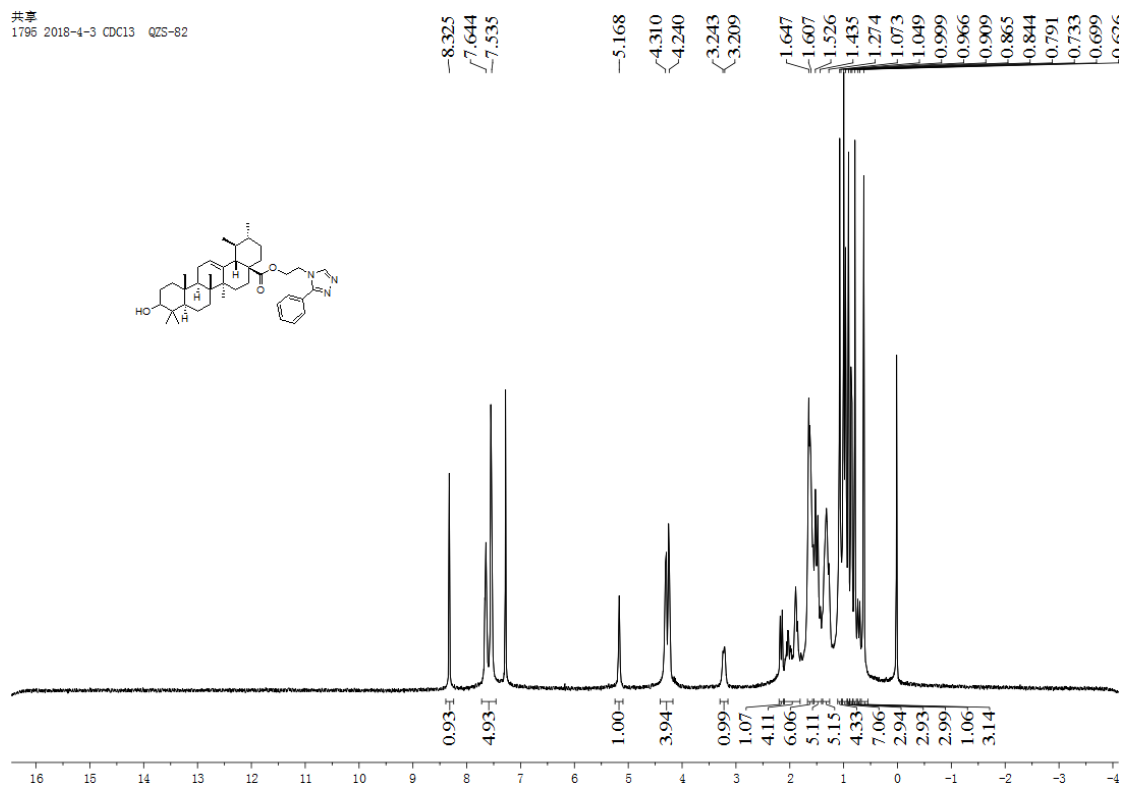
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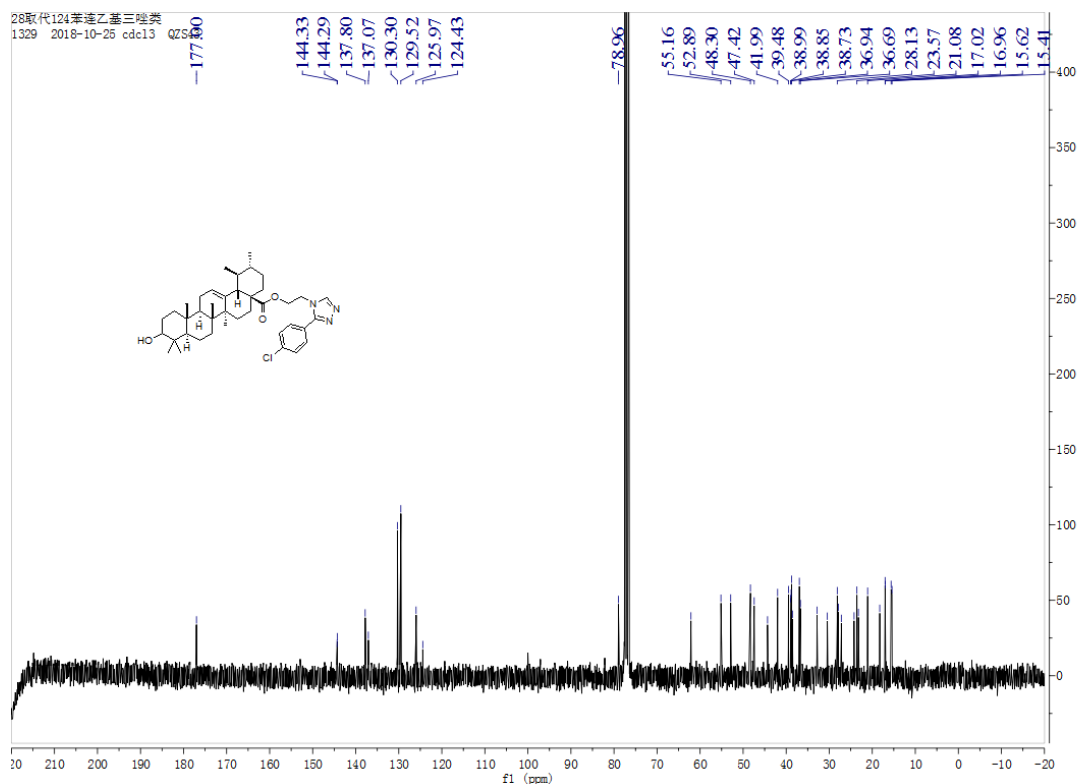
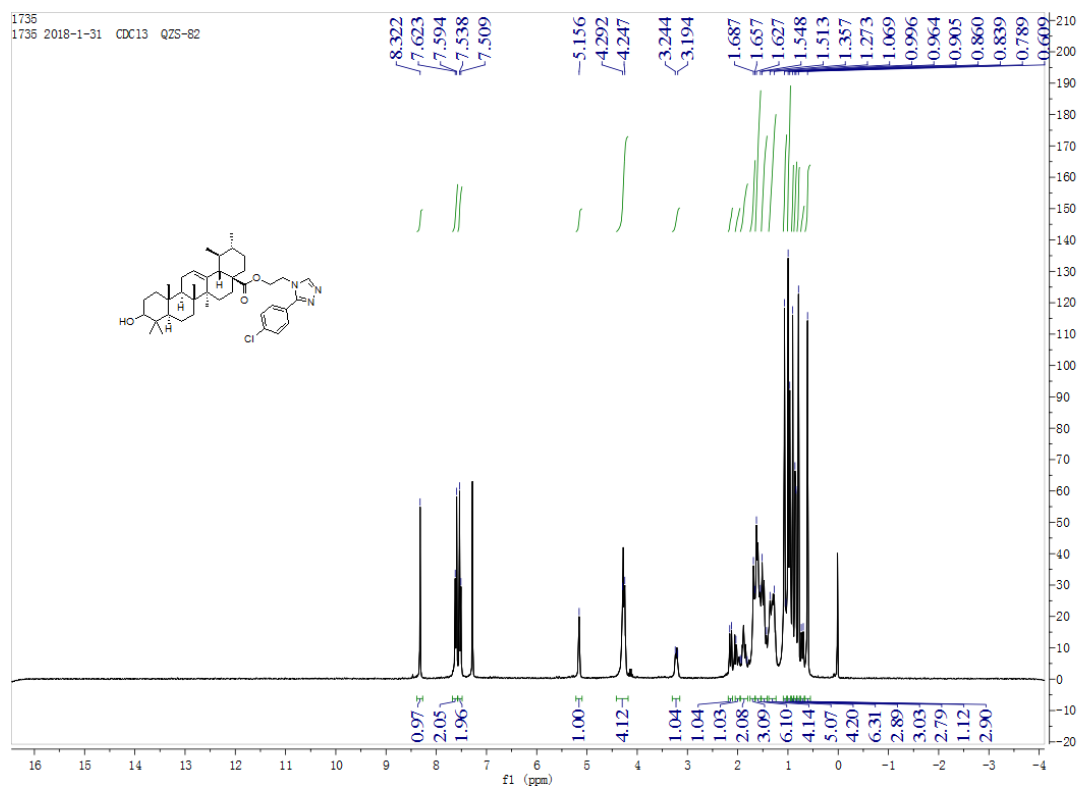


<sup>1</sup>H NMR and <sup>13</sup>C NMR spectra of compound 2e

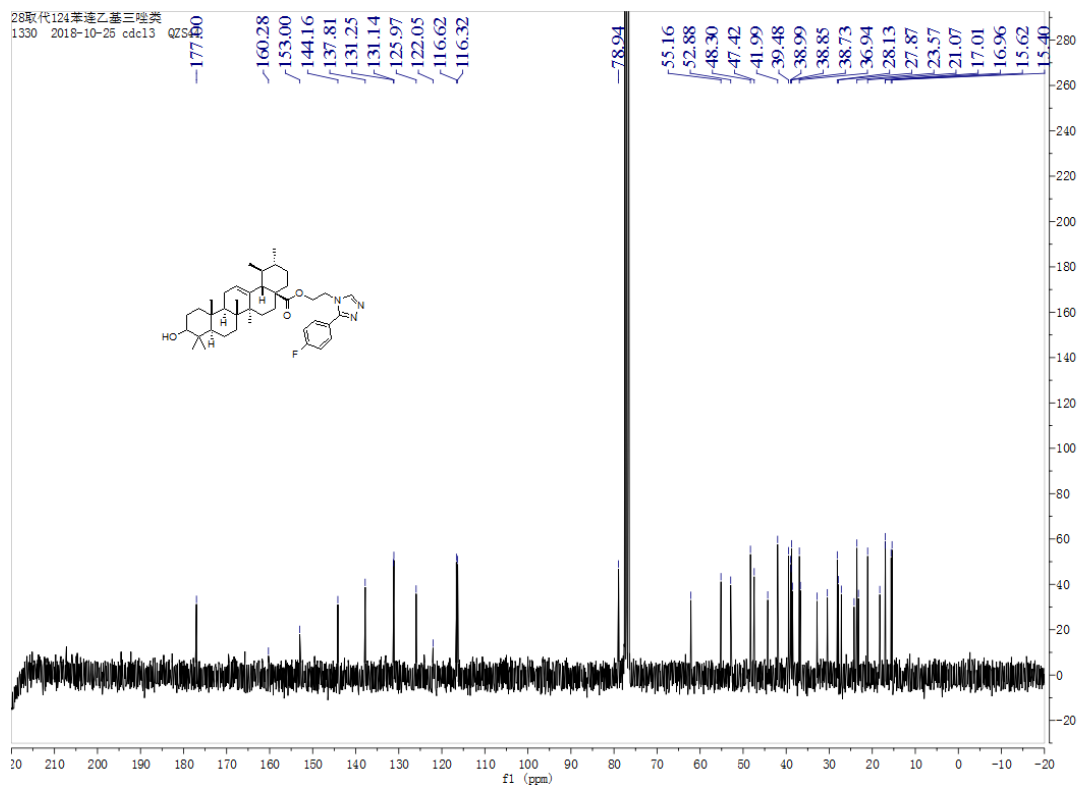
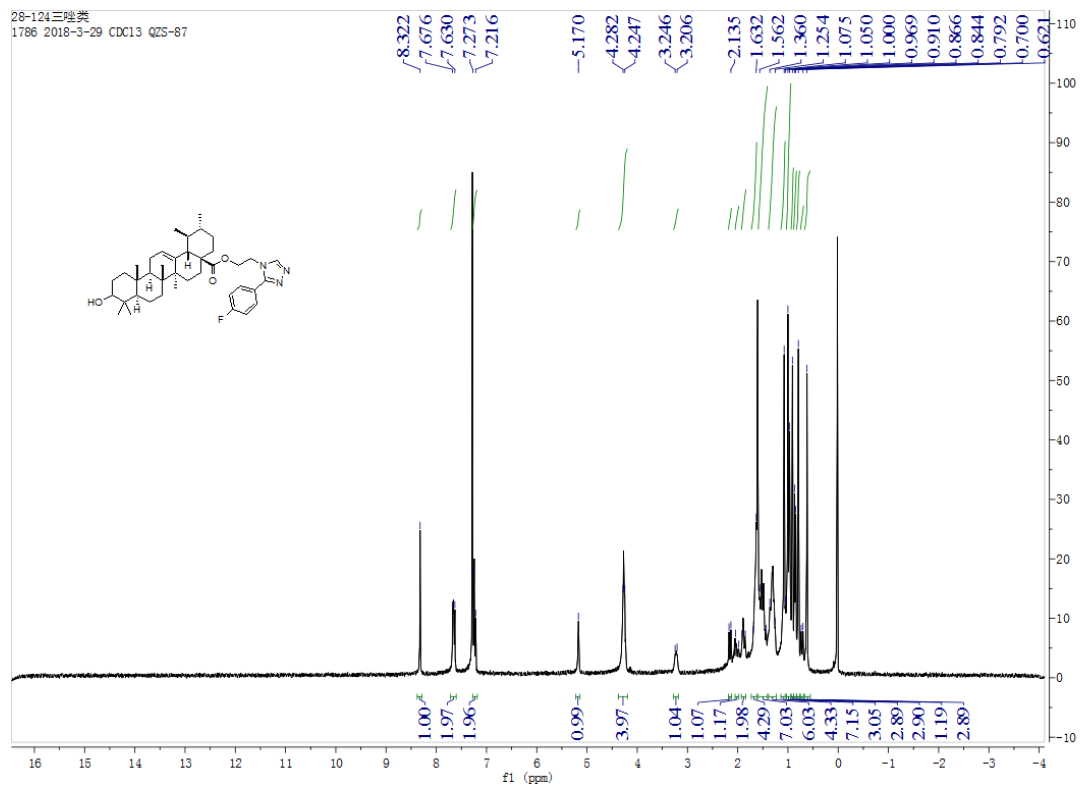
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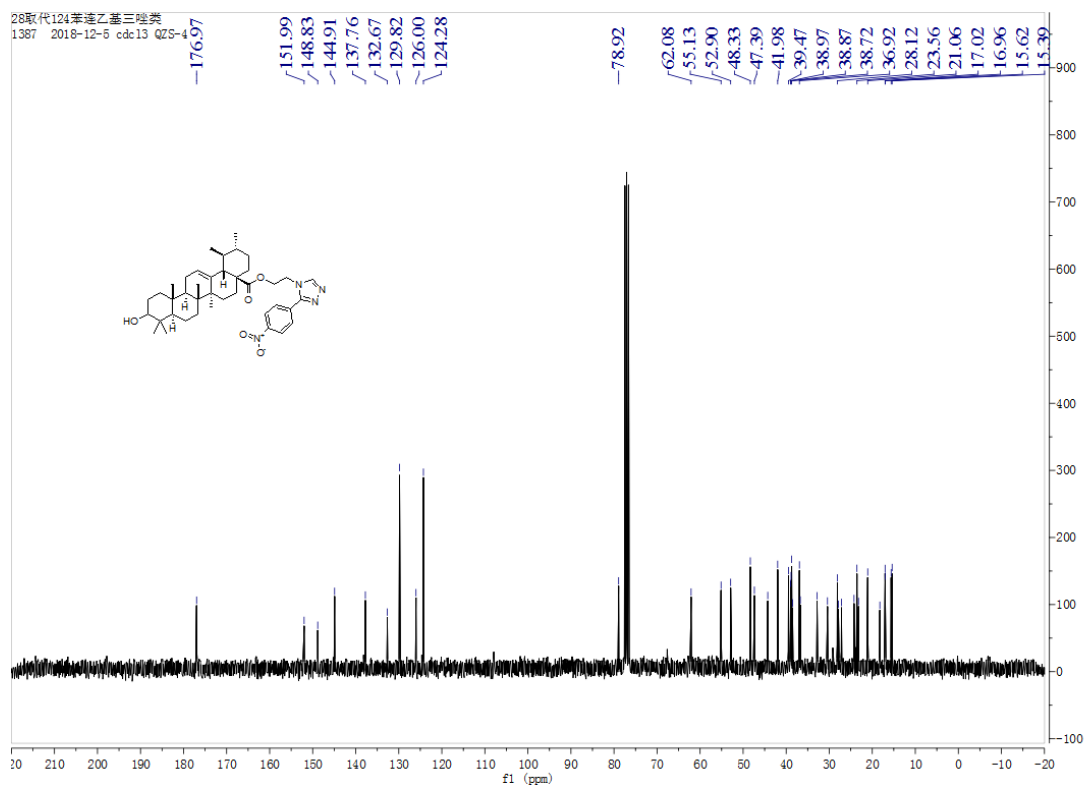
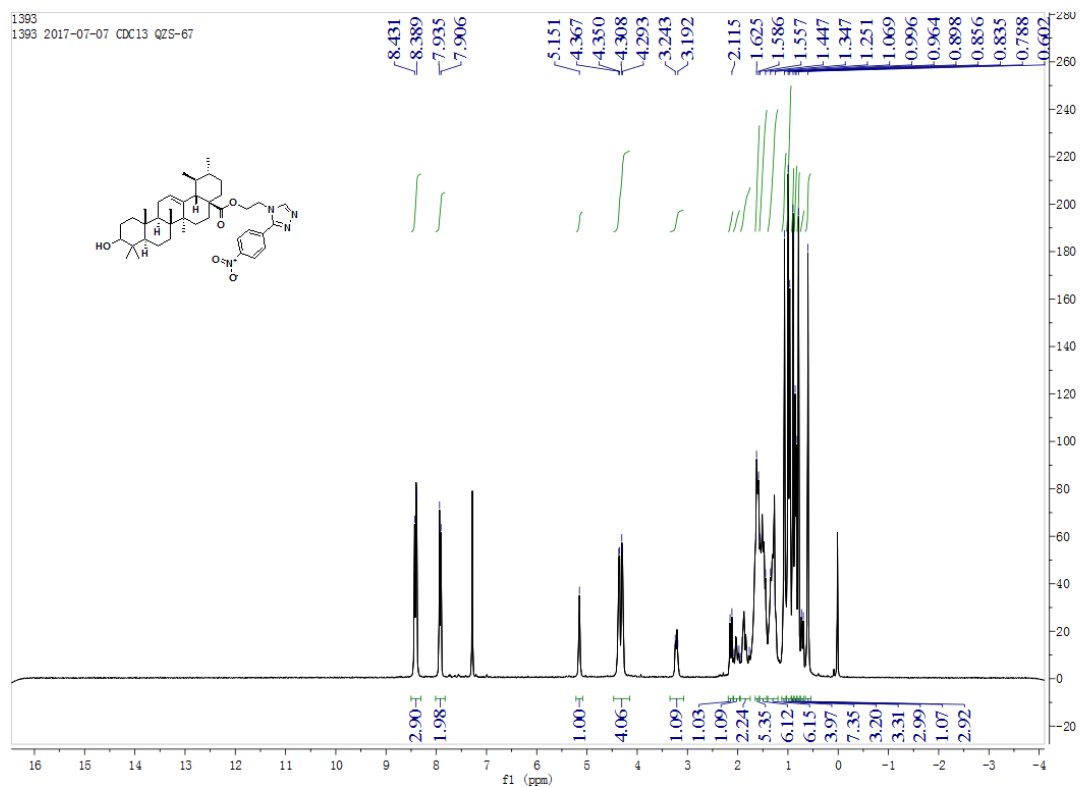
<sup>1</sup>H NMR and <sup>13</sup>C NMR spectra of compound 3a



$^1\text{H}$  NMR and  $^{13}\text{C}$  NMR spectra of compound **3b**

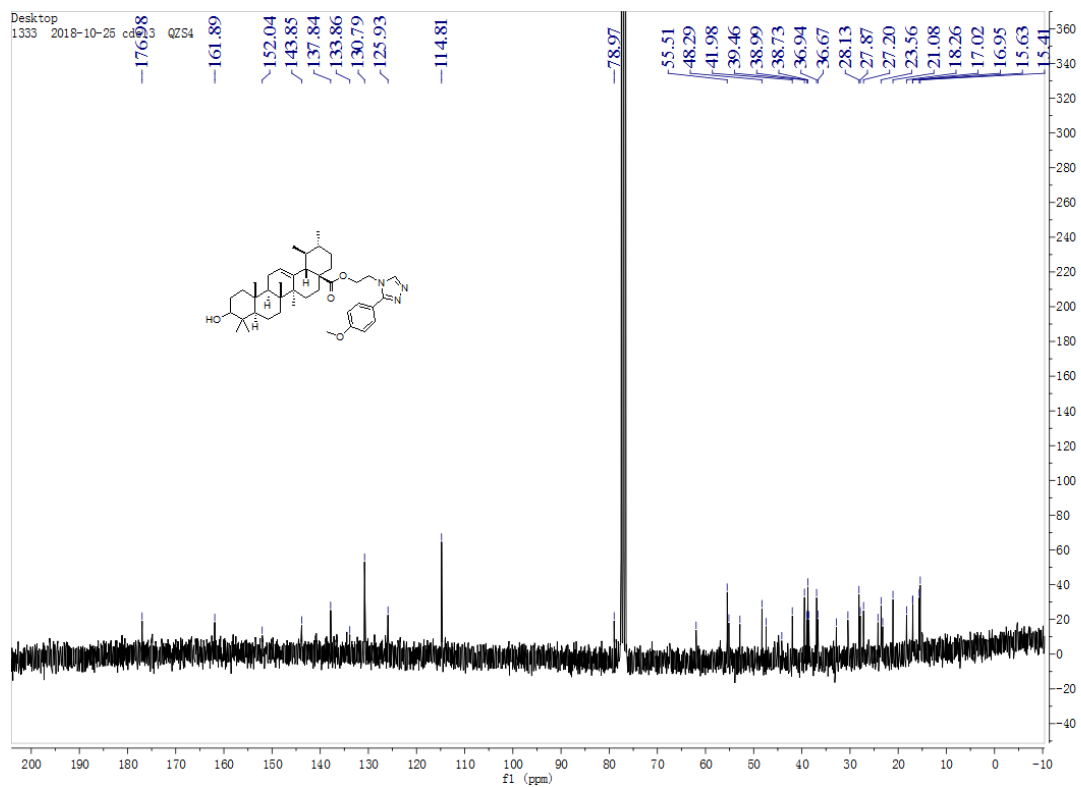
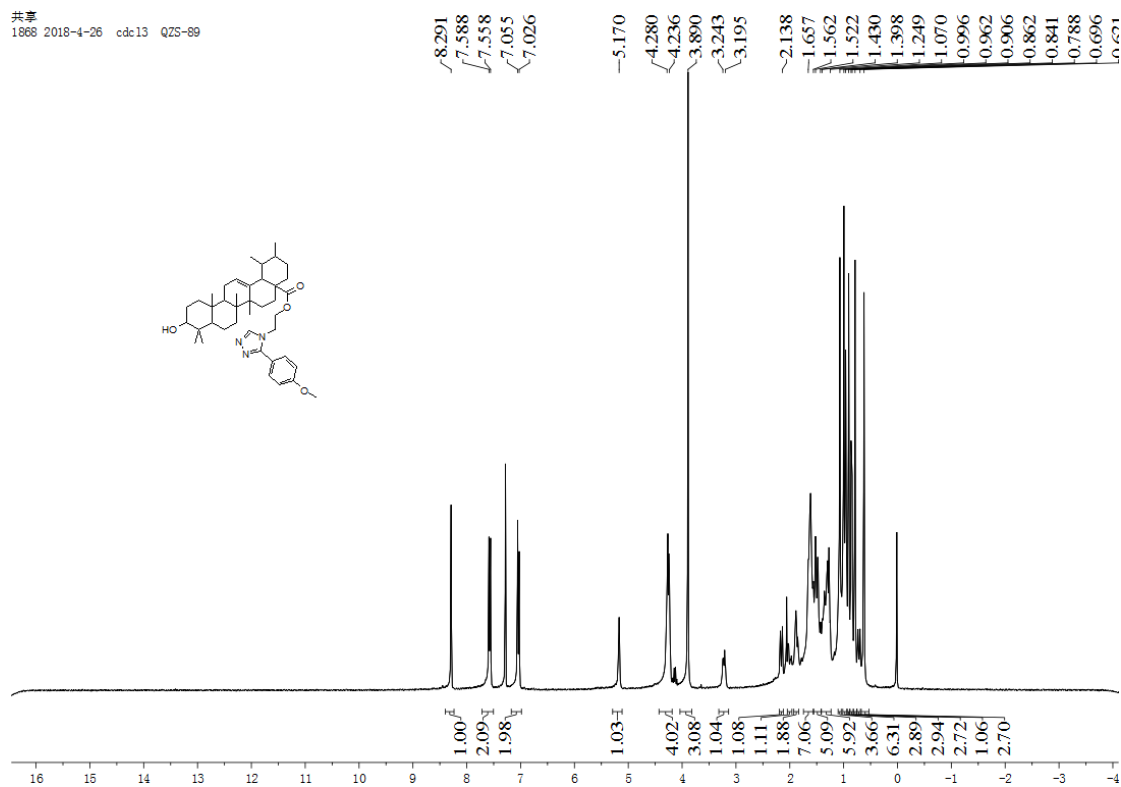


$^1\text{H}$  NMR and  $^{13}\text{C}$  NMR spectra of compound 3c

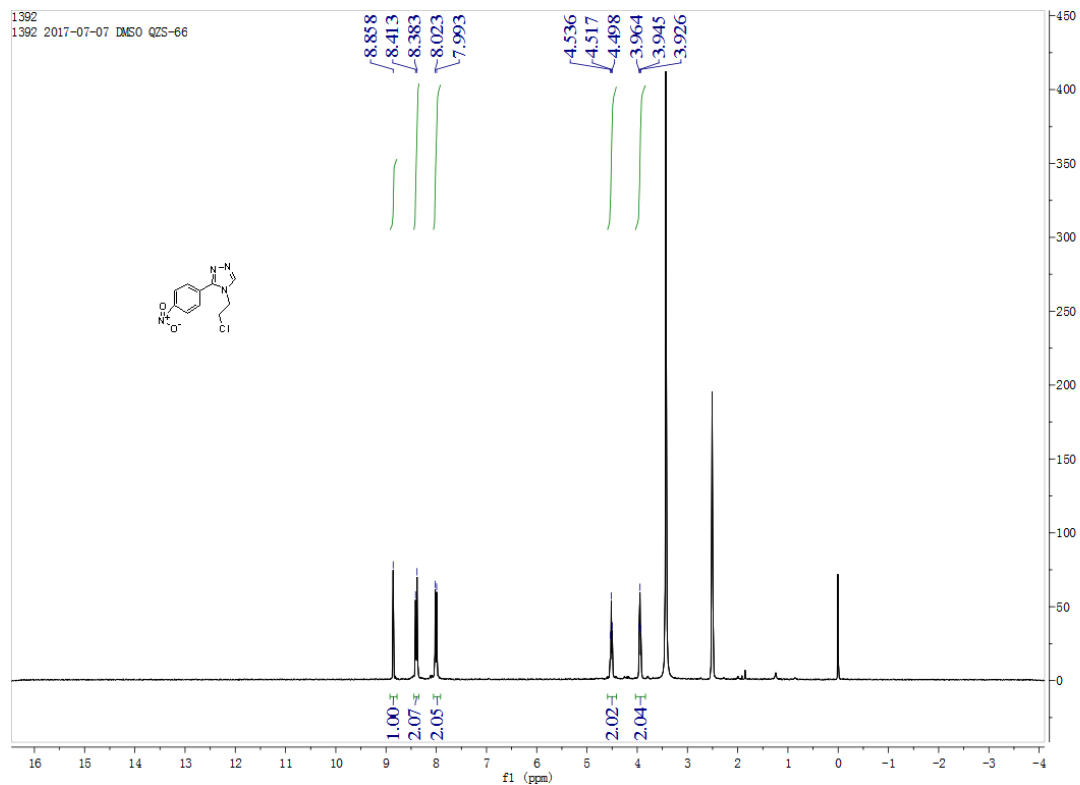


$^1\text{H}$  NMR and  $^{13}\text{C}$  NMR spectra of compound 3d

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<sup>1</sup>H NMR and <sup>13</sup>C NMR spectra of compound 3e



<sup>1</sup>H-NMR spectra of intermediate **IIIId**

<sup>1</sup>H-NMR (DMSO-*d*<sub>6</sub>, 300MHz, ppm): δ 8.86 (s, 1H, triazole-H), 8.40 (d, *J* = 9.0 Hz, 2H, Ar-H), 8.10 (d, *J* = 9.0 Hz, 2H, Ar-H), 4.52 (t, *J* = 5.7 Hz, 2H, -CH<sub>2</sub>-Cl), 3.95 (t, *J* = 5.7 Hz, 2H, N-CH<sub>2</sub>-).