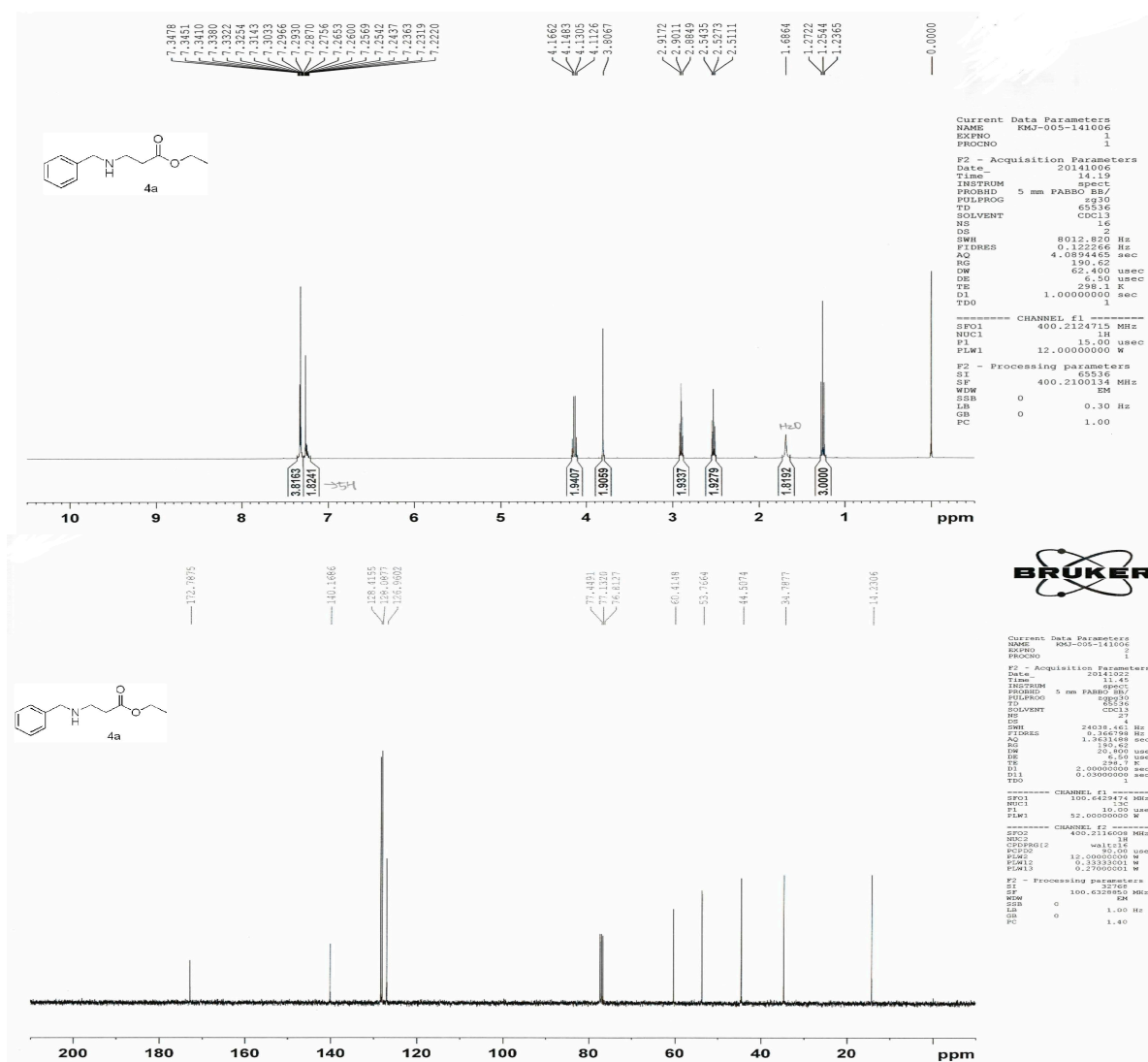


# Supporting Information

$^1\text{H}$ - and $^{13}\text{C}$ -NMR spectra of compounds <b>4a</b> and <b>4b</b> .....	<b>S1–S2</b>
$^1\text{H}$ - and $^{13}\text{C}$ -NMR spectra of compounds <b>5a</b> and <b>5b</b> .....	<b>S3–S4</b>
$^1\text{H}$ - and $^{13}\text{C}$ -NMR spectra of compounds <b>6a</b> and <b>6b</b> .....	<b>S5–S6</b>
$^1\text{H}$ - and $^{13}\text{C}$ -NMR spectra of compounds <b>7a</b> and <b>7b</b> .....	<b>S7–S8</b>
$^1\text{H}$ - and $^{13}\text{C}$ -NMR spectra of compounds <b>8a</b> and <b>8b</b> .....	<b>S9–S10</b>
$^1\text{H}$ - and $^{13}\text{C}$ -NMR spectra of compounds <b>9a~9h</b> .....	<b>S11–S18</b>



**Figure S1.**  $^1\text{H}$ - (upper) and  $^{13}\text{C}$ -NMR spectra (lower) of compounds **4a**.

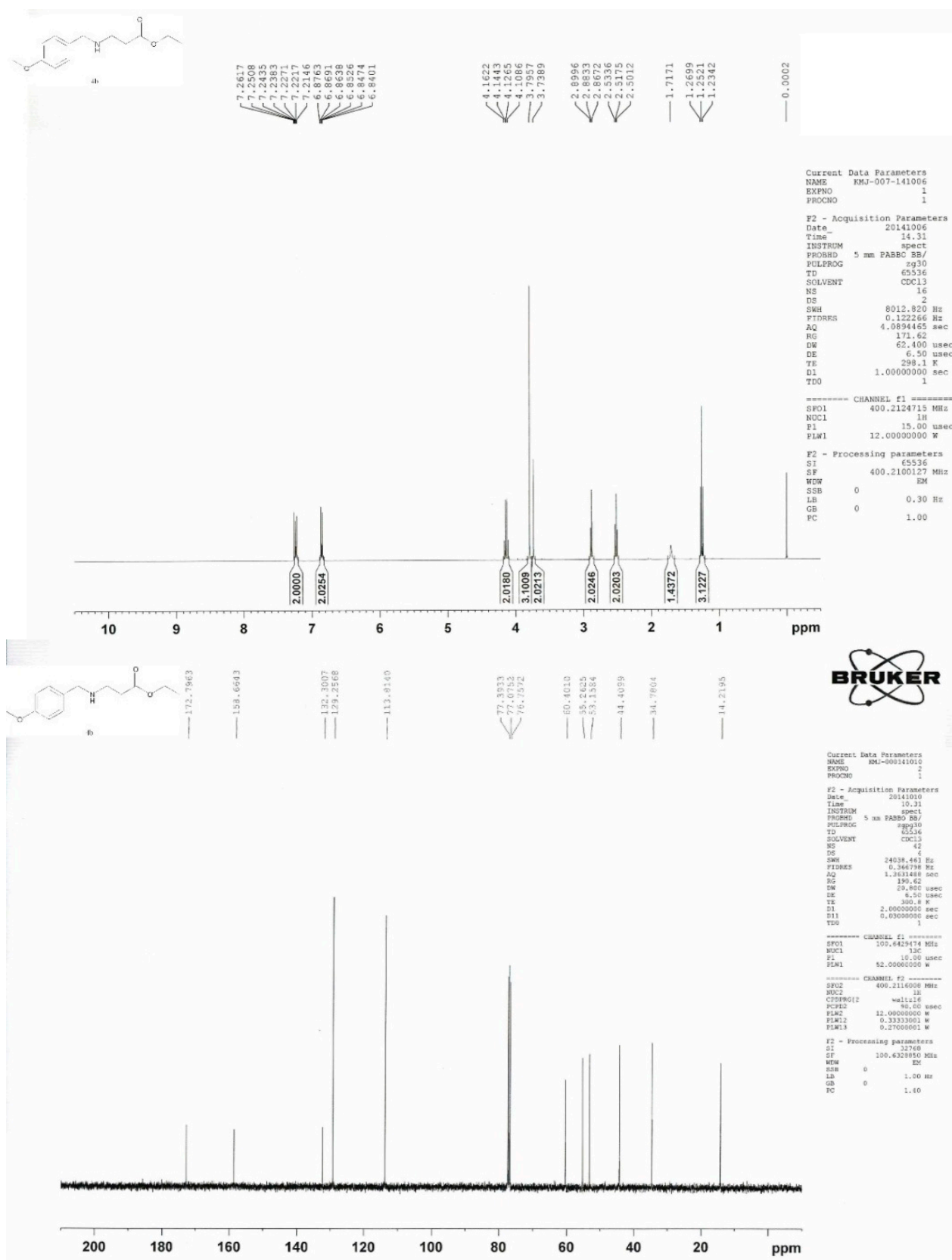
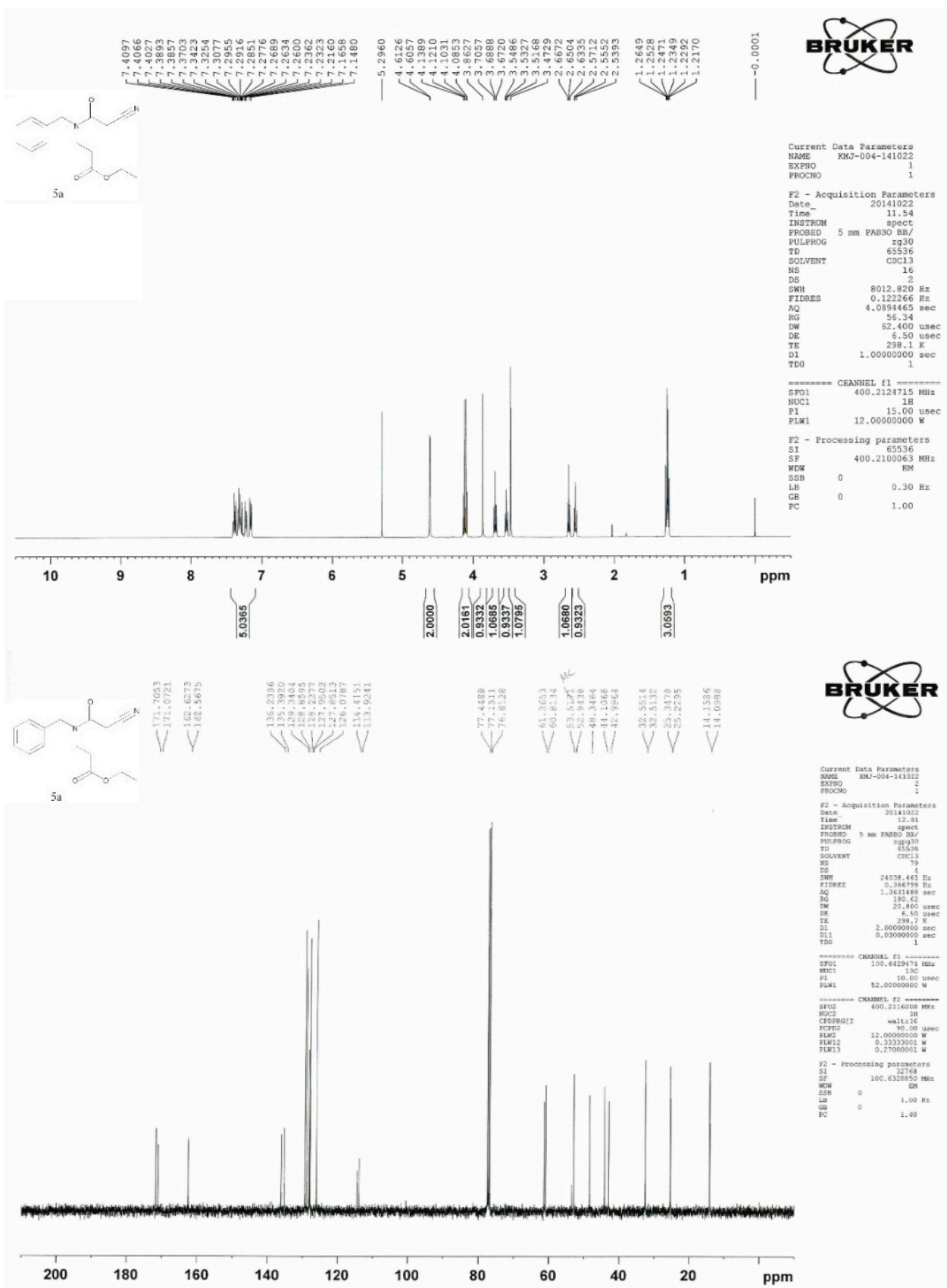
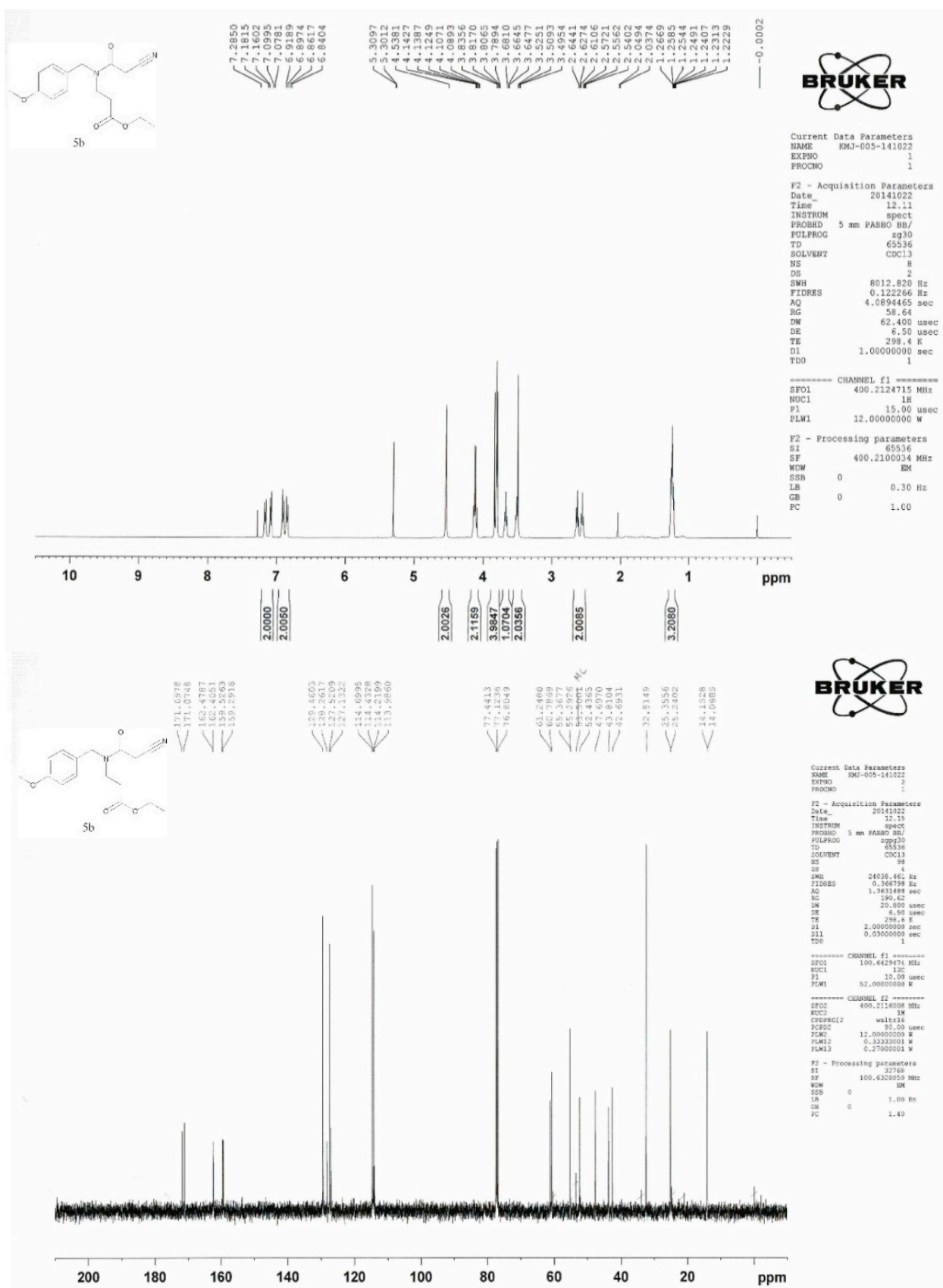


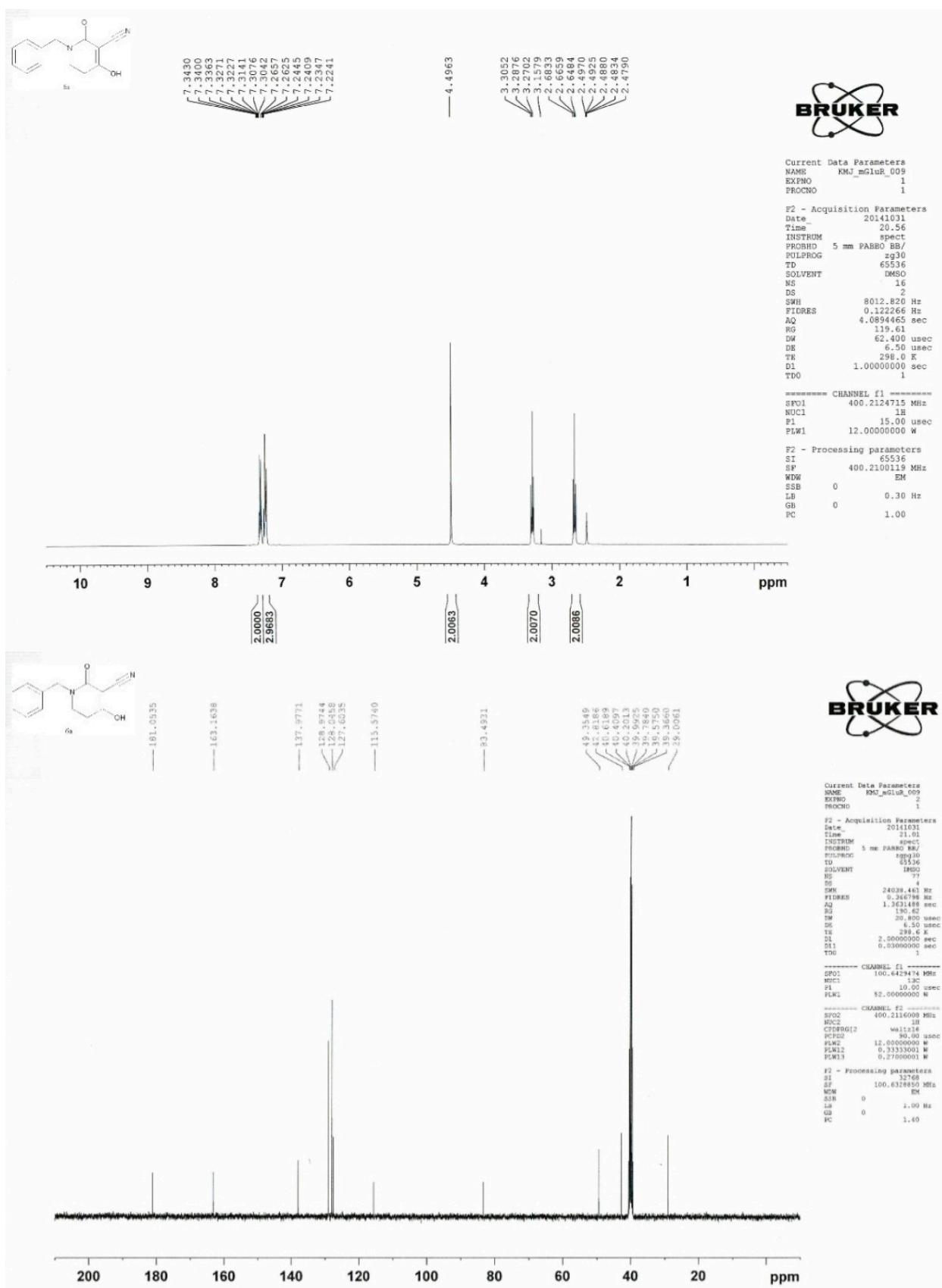
Figure S2.  $^1\text{H}$ - (upper) and  $^{13}\text{C}$ -NMR spectra (lower) of compounds **4b**.

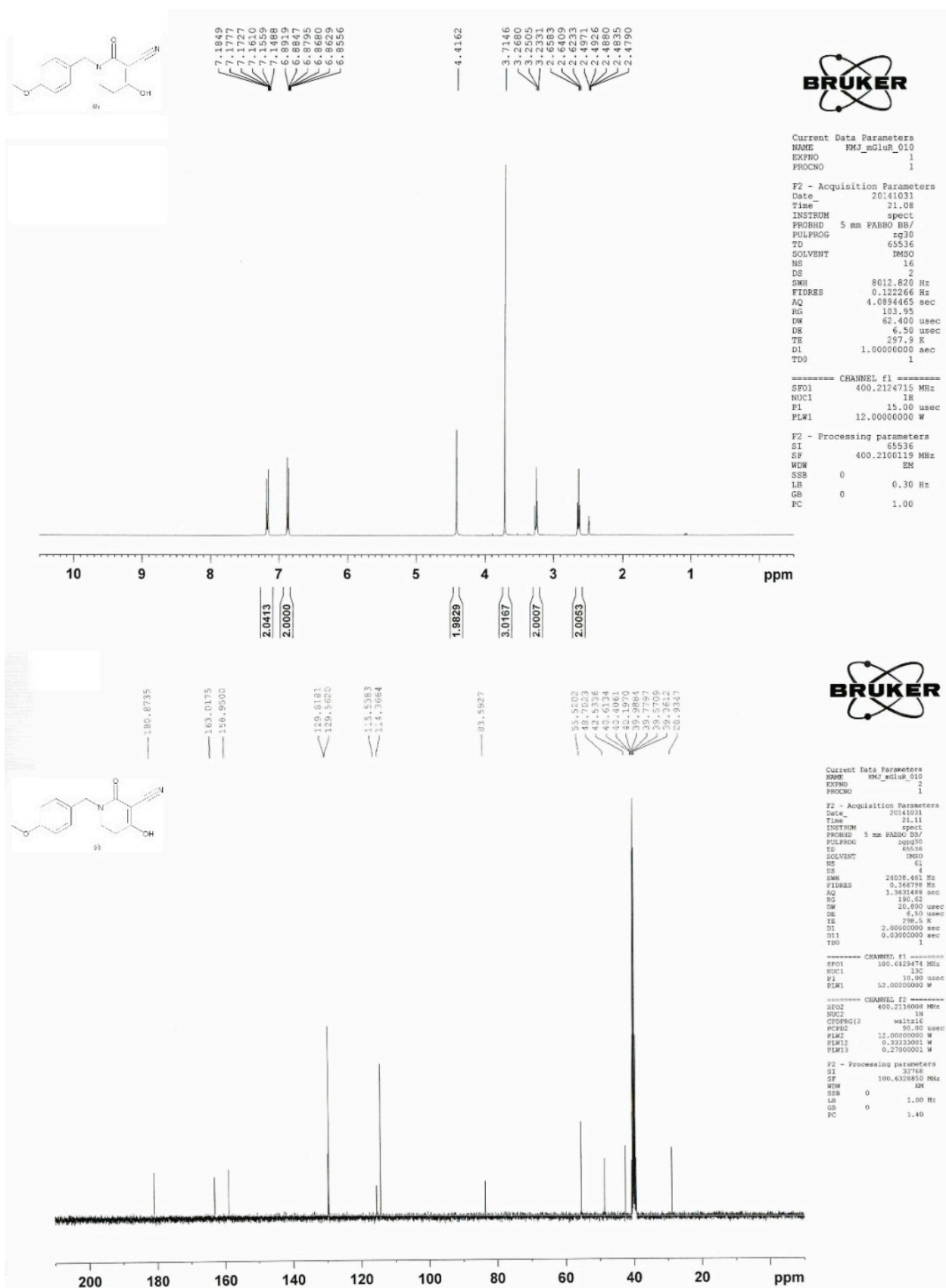


**Figure S3.** <sup>1</sup>H- (upper) and <sup>13</sup>C-NMR spectra (lower) of compounds **5a**.



**Figure S4.** <sup>1</sup>H- (upper) and <sup>13</sup>C-NMR spectra (lower) of compounds **5b**.





**Figure S6.** <sup>1</sup>H- (upper) and <sup>13</sup>C-NMR spectra (lower) of compounds **6b**.



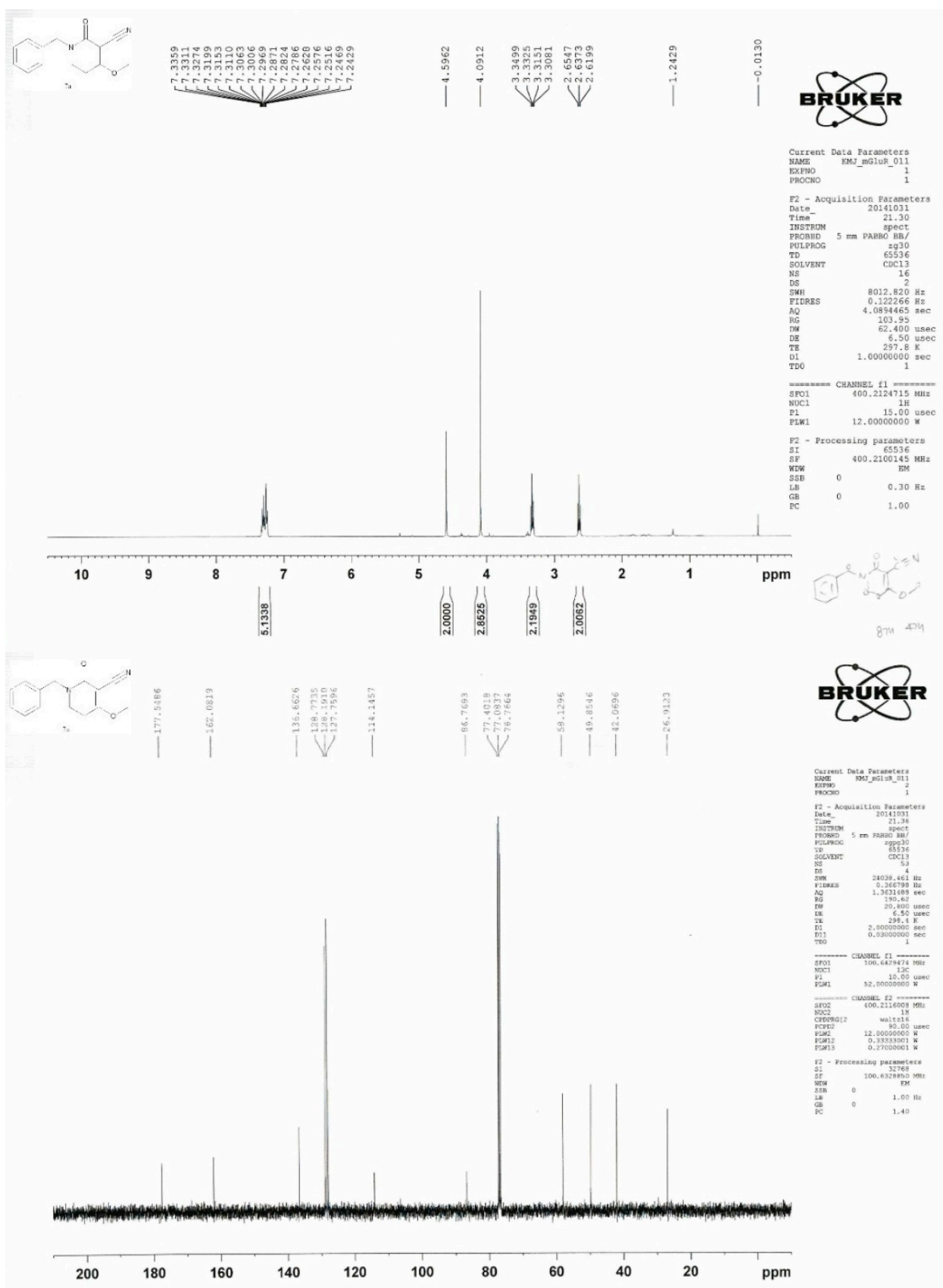
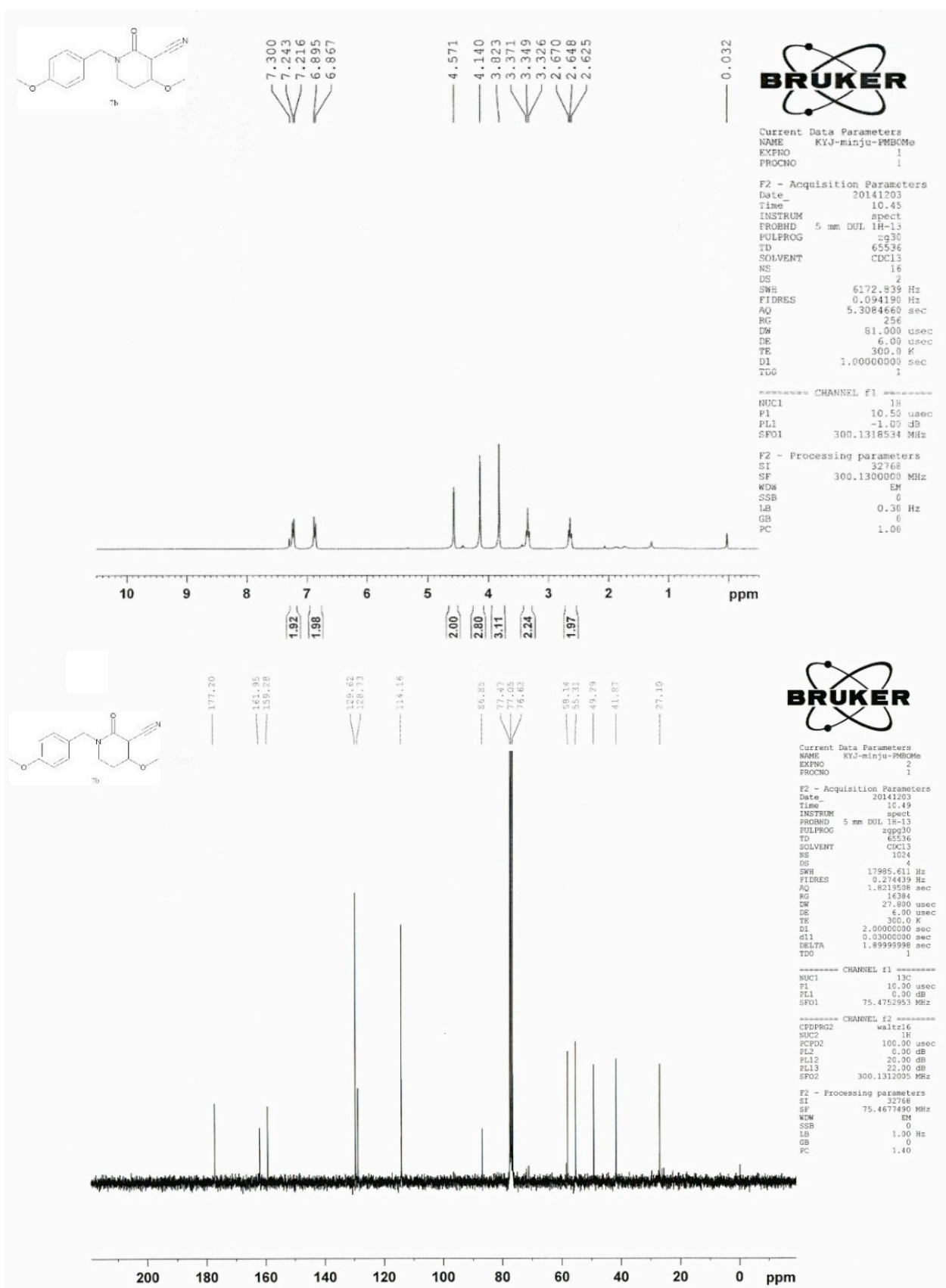
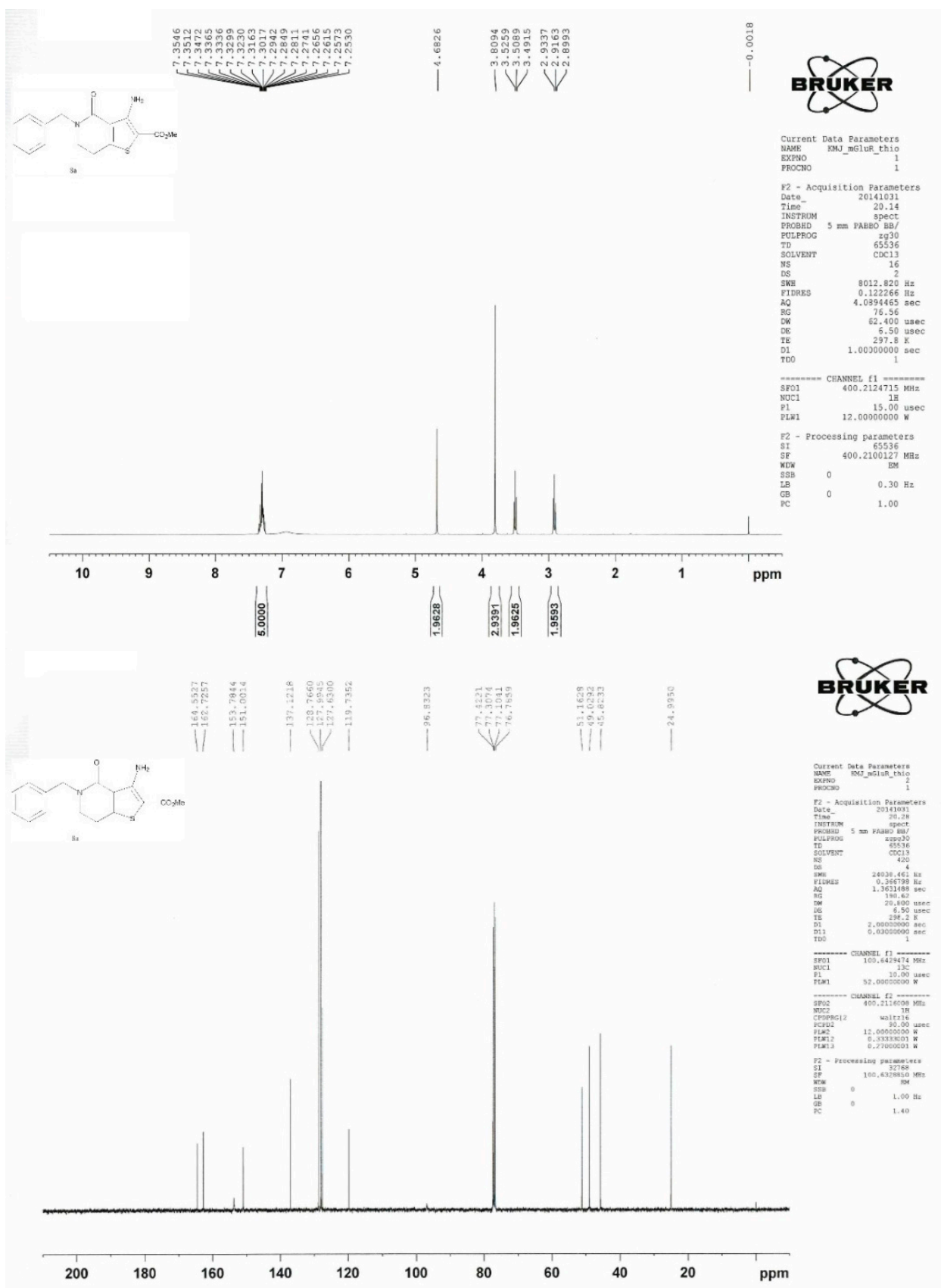


Figure S7. <sup>1</sup>H- (upper) and <sup>13</sup>C-NMR spectra (lower) of compounds 7a.







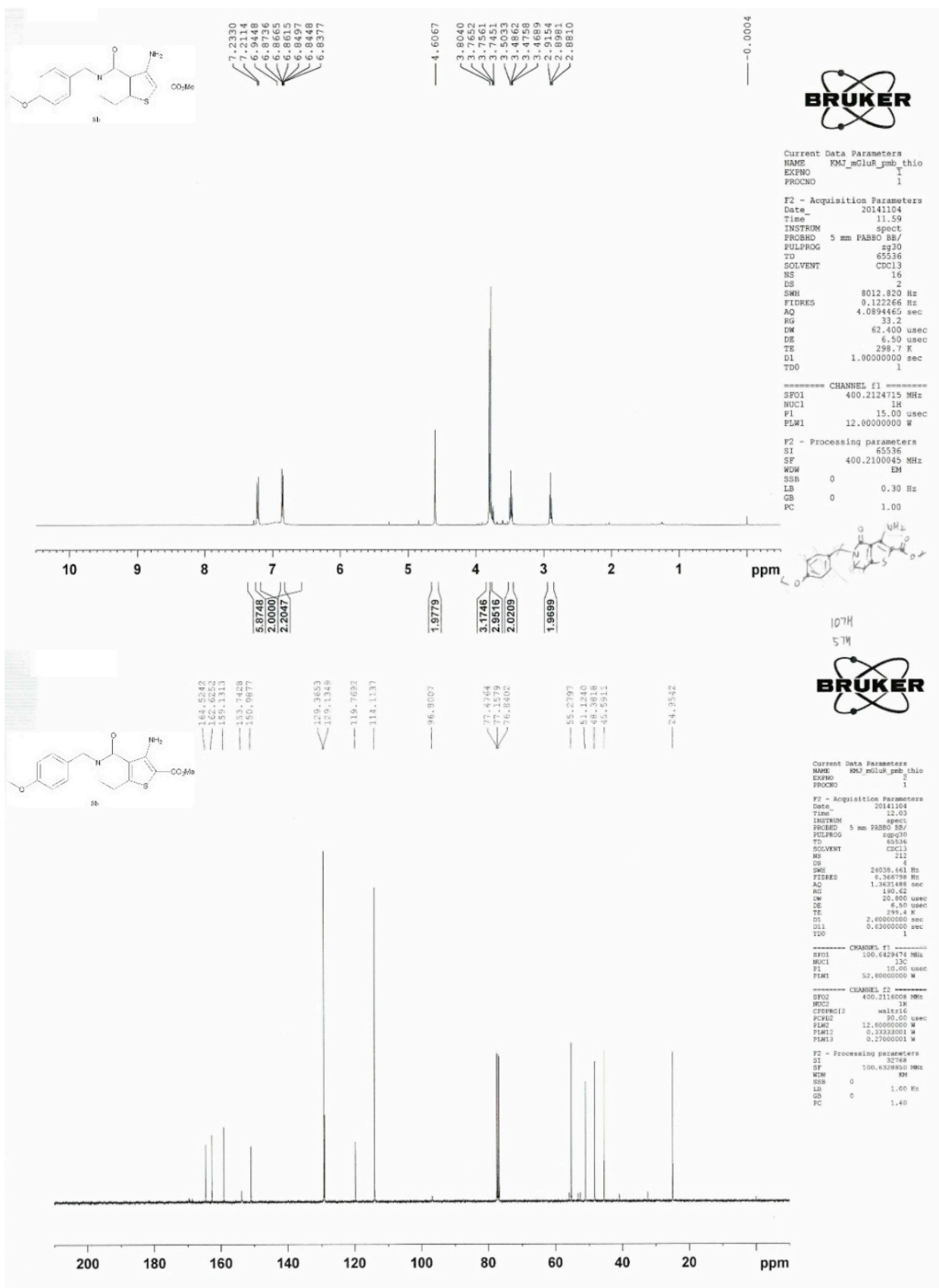


Figure S10. <sup>1</sup>H- (upper) and <sup>13</sup>C-NMR spectra (lower) of compounds 8b.

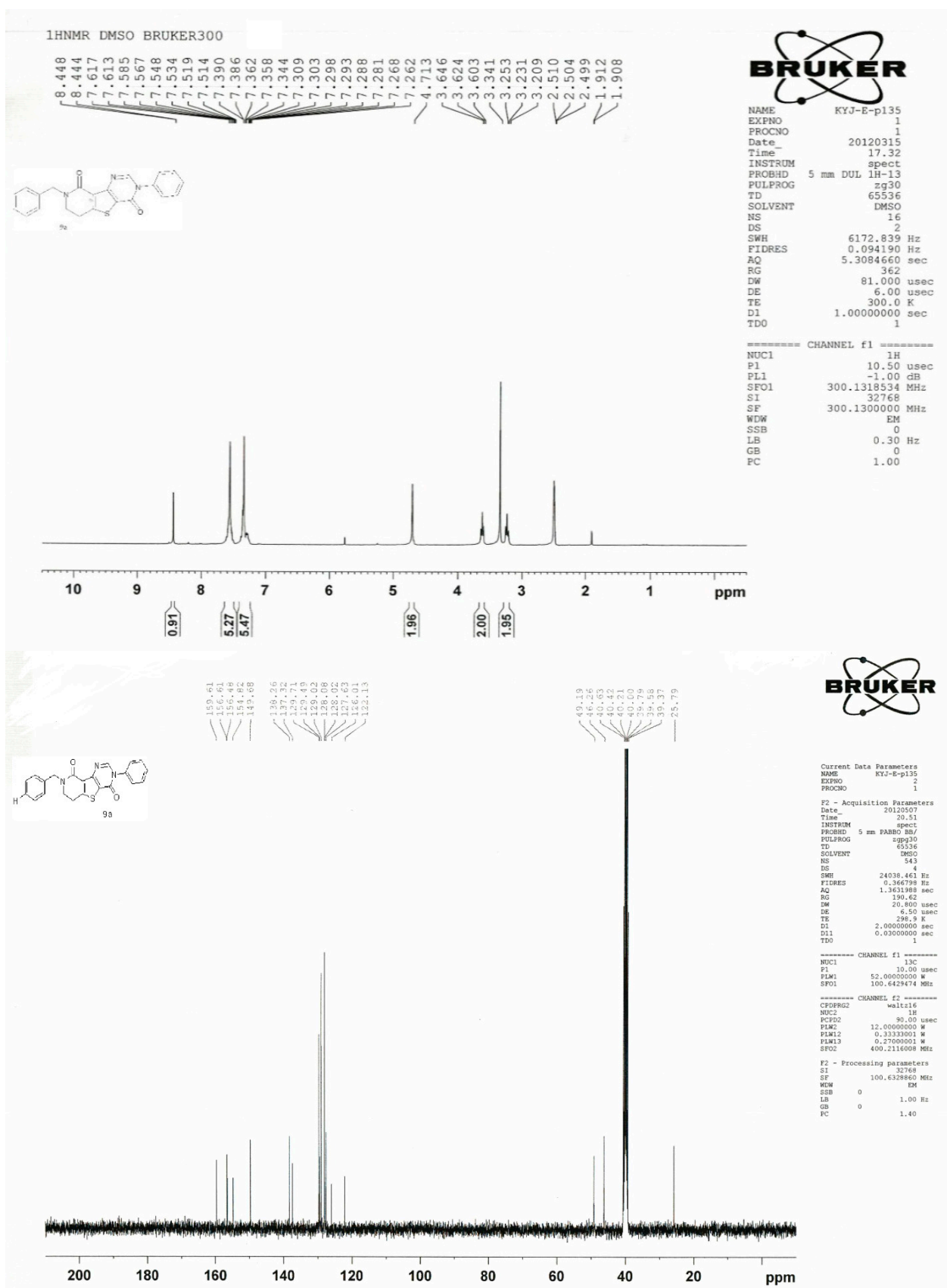
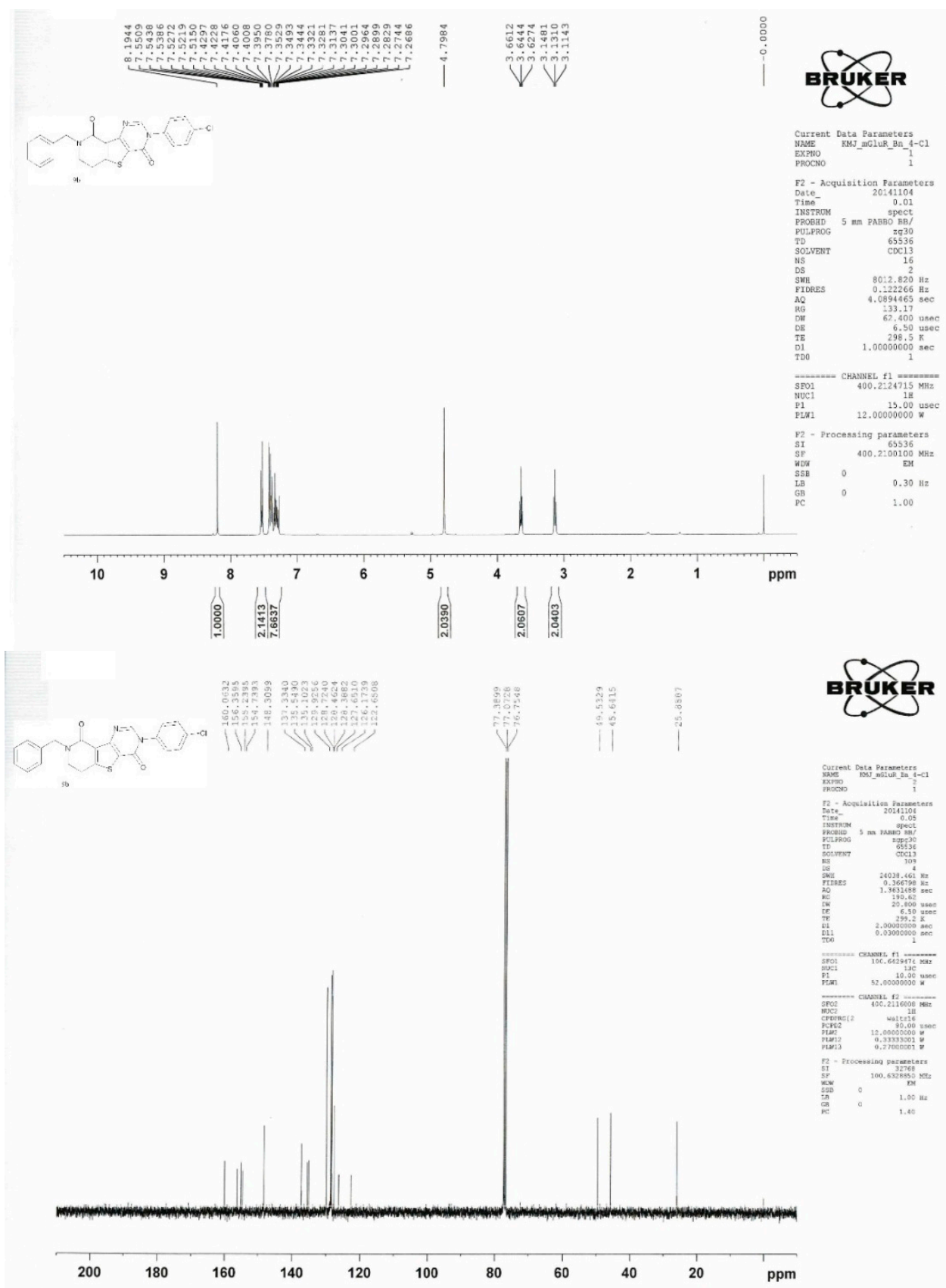


Figure S11. <sup>1</sup>H- (upper) and <sup>13</sup>C-NMR spectra (lower) of compounds 9a.



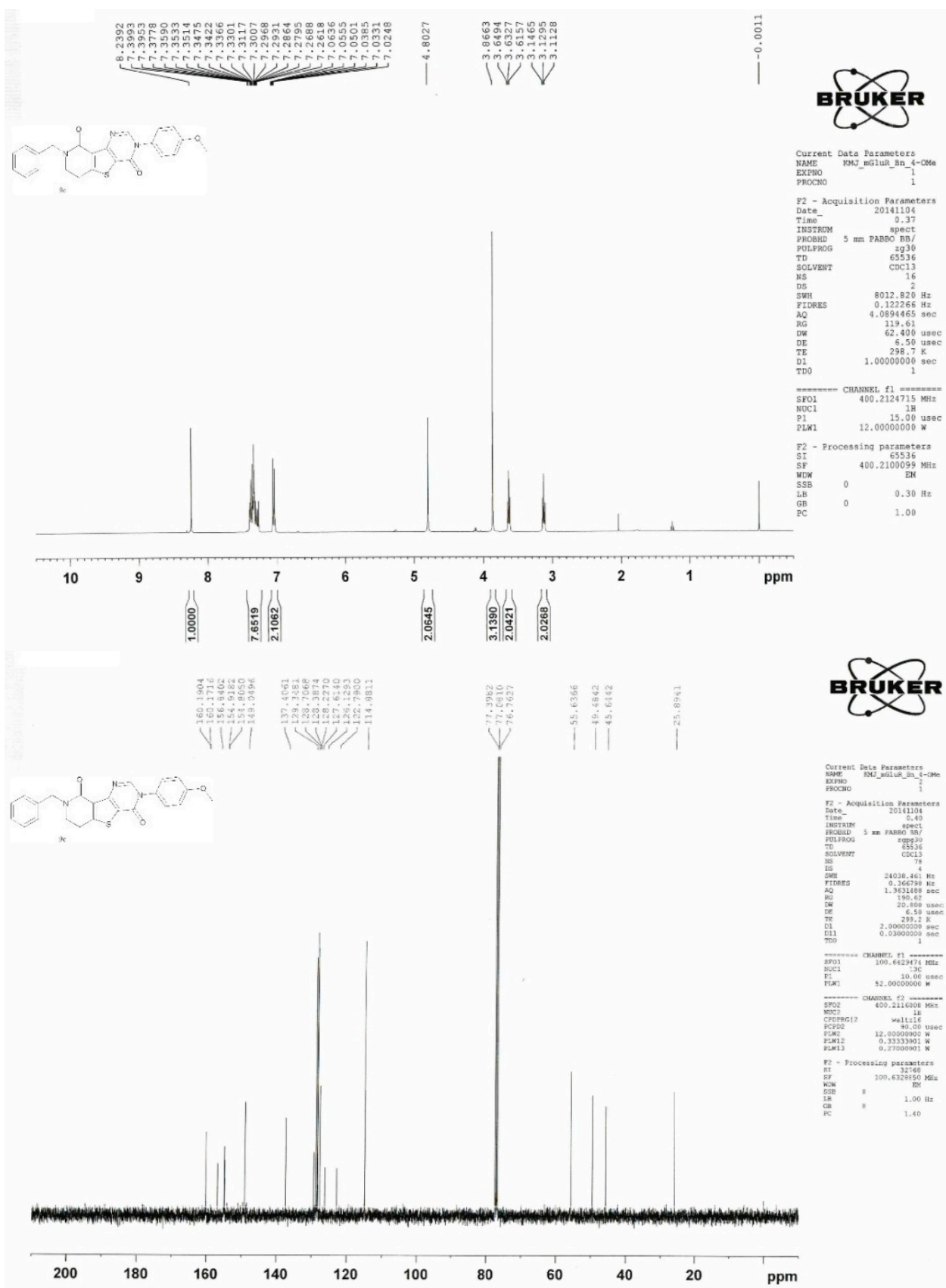


Figure S13. <sup>1</sup>H- (upper) and <sup>13</sup>C-NMR spectra (lower) of compounds 9c.

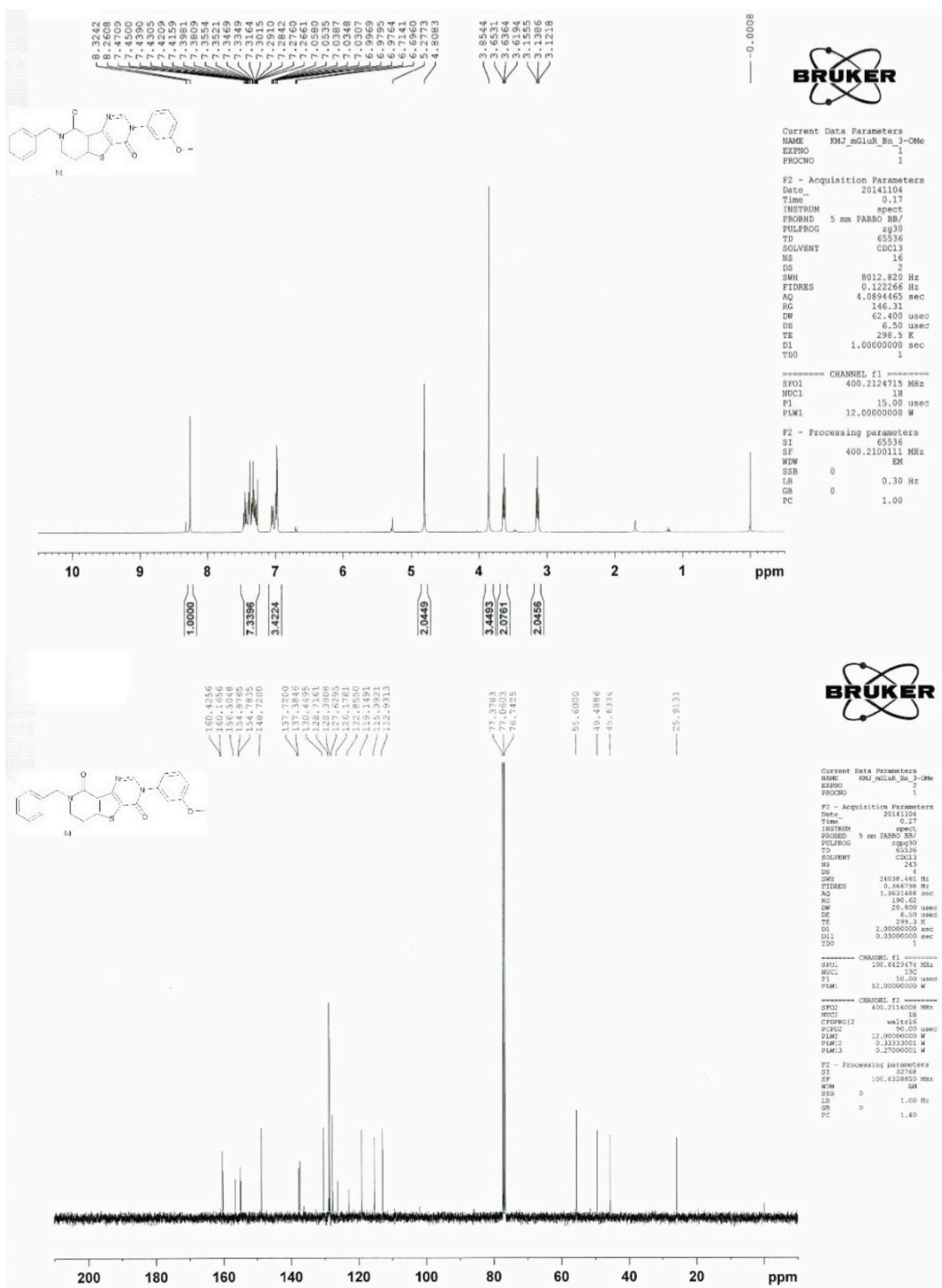


Figure S14. <sup>1</sup>H- (upper) and <sup>13</sup>C-NMR spectra (lower) of compounds 9d.



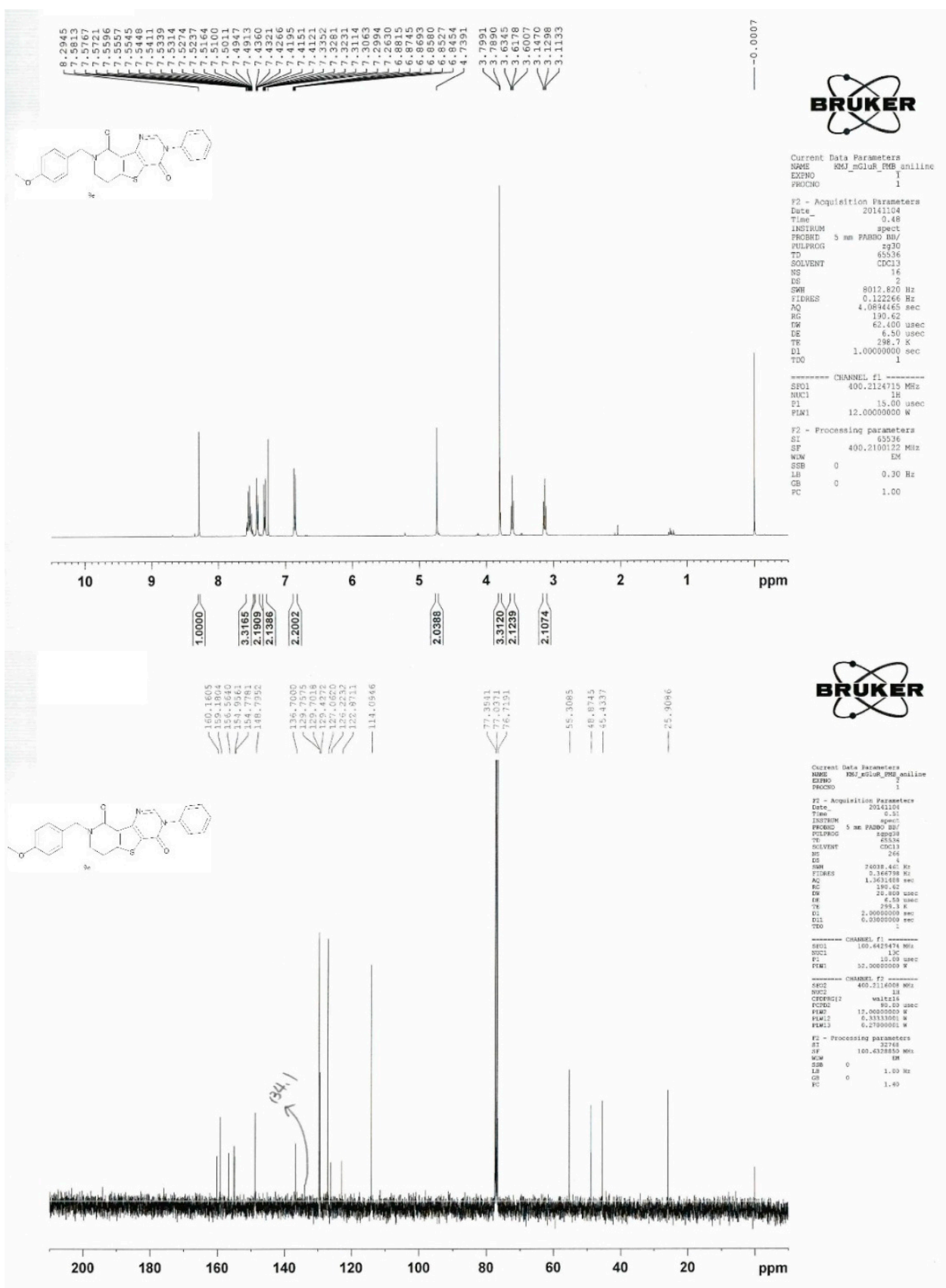


Figure S15. <sup>1</sup>H- (upper) and <sup>13</sup>C-NMR spectra (lower) of compounds 9e.

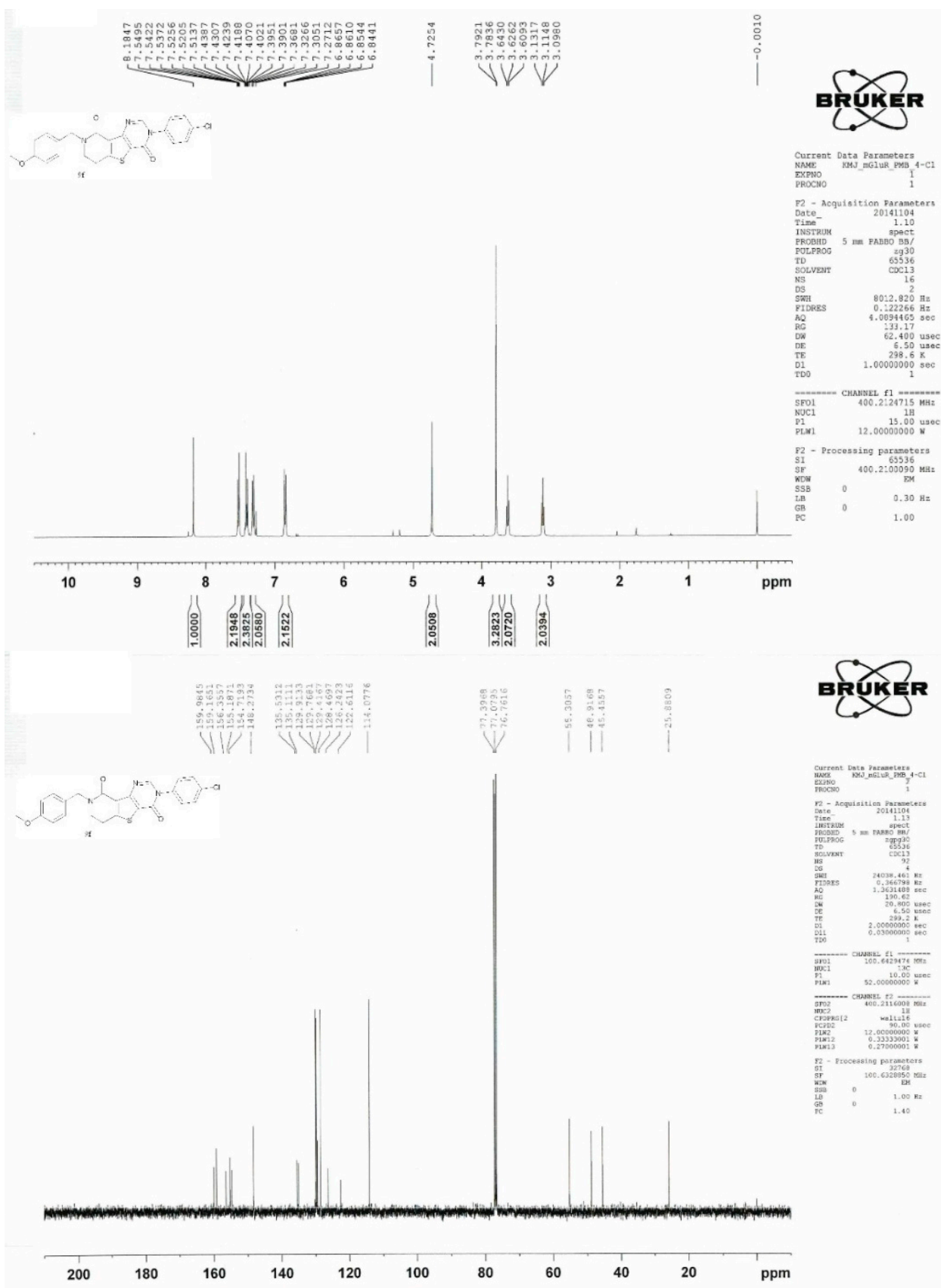
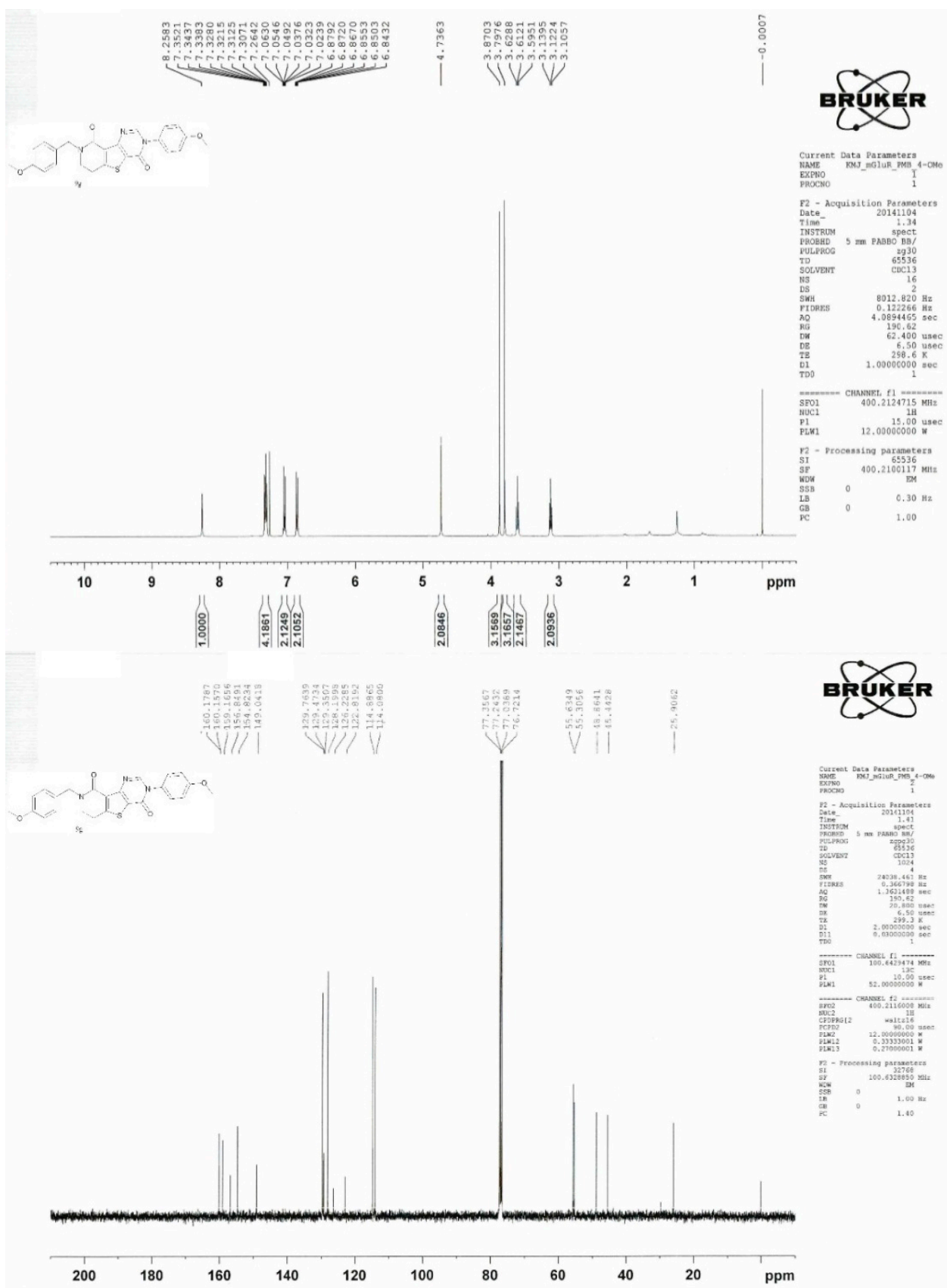


Figure S16. <sup>1</sup>H- (upper) and <sup>13</sup>C-NMR spectra (lower) of compounds 9f.



**Figure S17. <sup>1</sup>H- (upper) and <sup>13</sup>C-NMR spectra (lower) of compounds 9g.**

