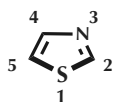
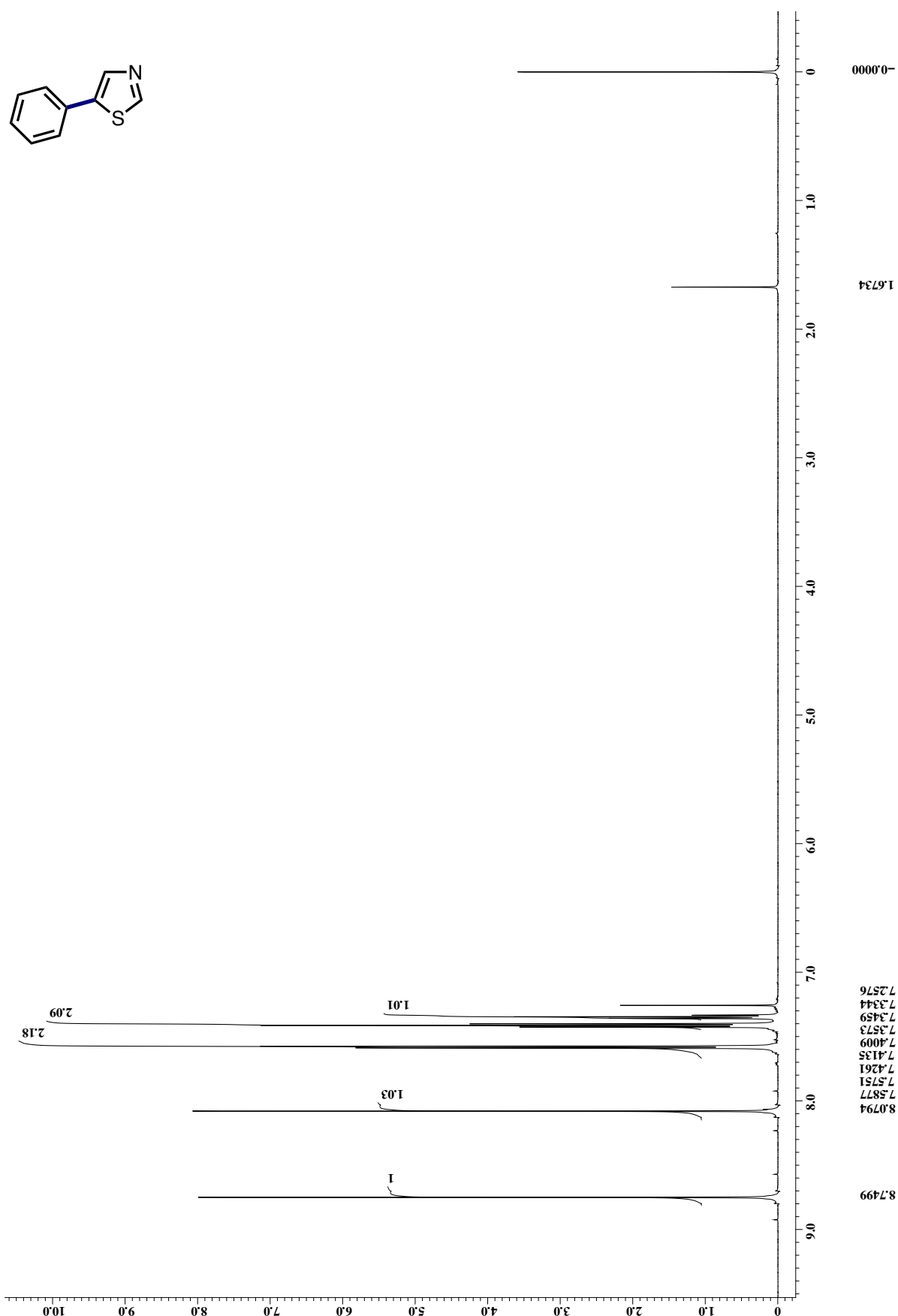
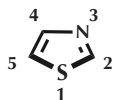


**Supporting Information (Tani, Uehara, Yamaguchi, Itami)**  
**Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings**



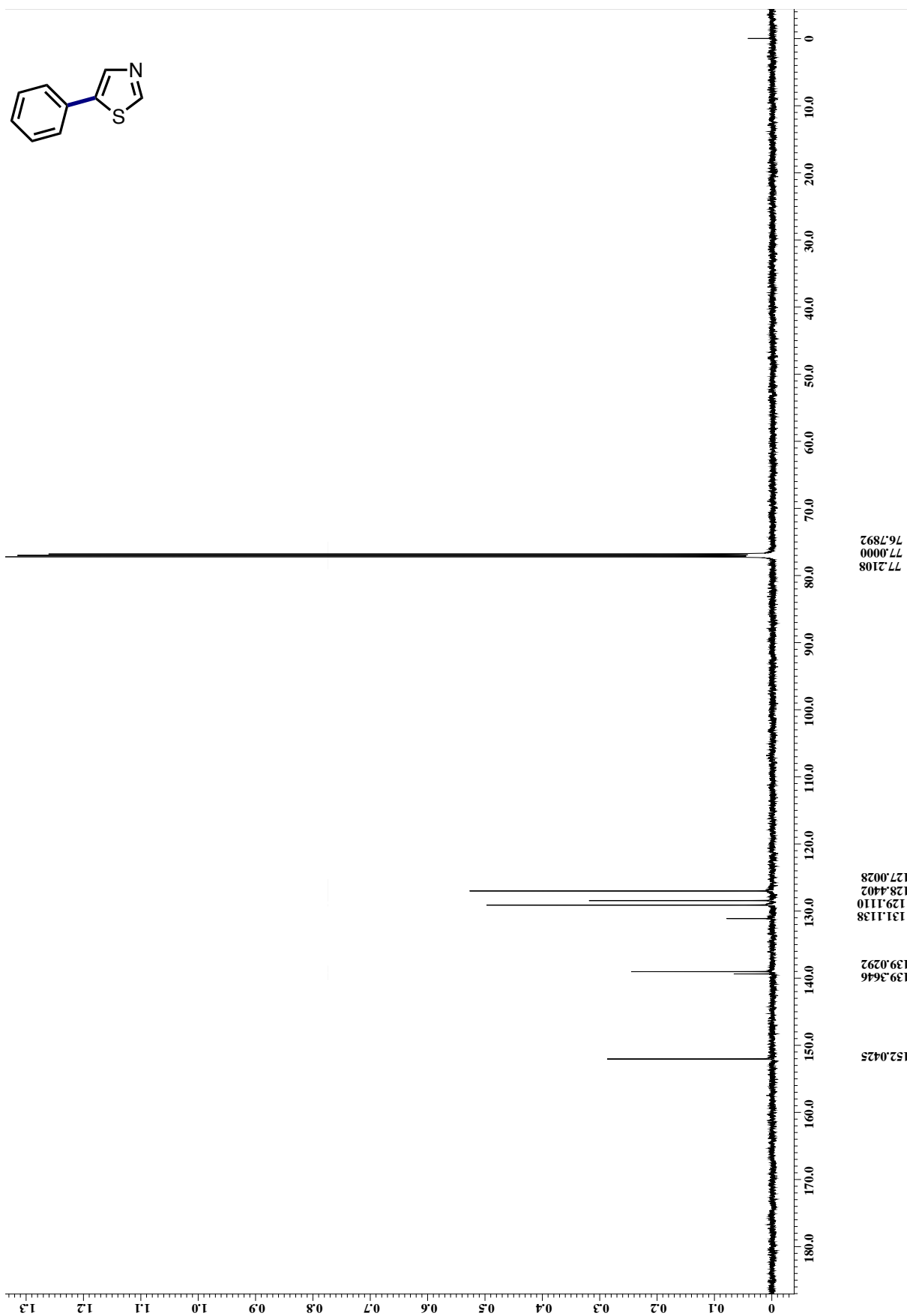
**<sup>1</sup>H NMR (600 MHz, CDCl<sub>3</sub>) of 4a**

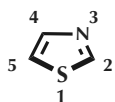




**Supporting Information (Tani, Uehara, Yamaguchi, Itami)**  
**Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings**

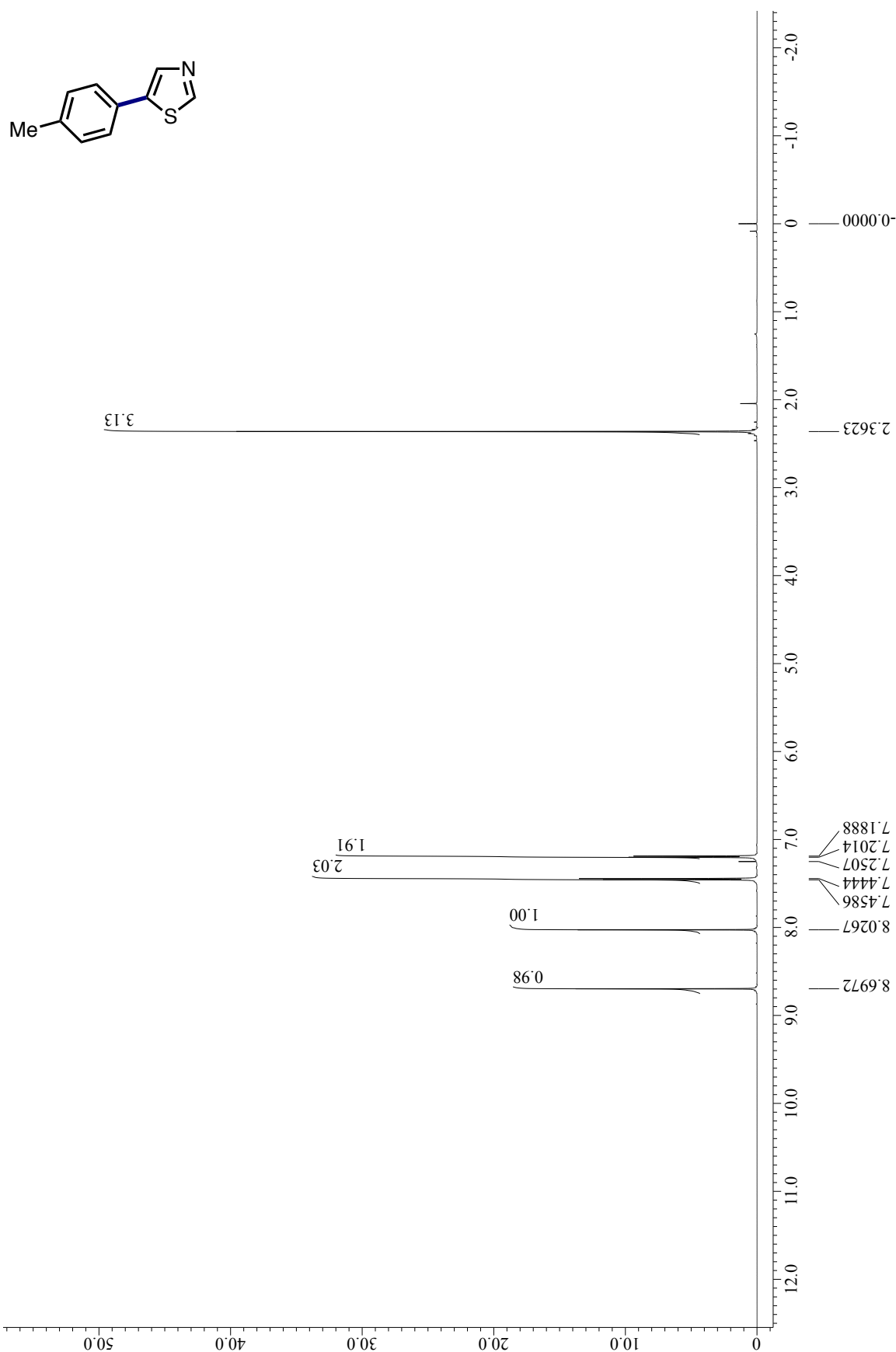
$^{13}\text{C}$  NMR (150 MHz,  $\text{CDCl}_3$ ) of 4a



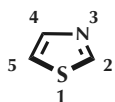


**Supporting Information (Tani, Uehara, Yamaguchi, Itami)**  
**Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings**

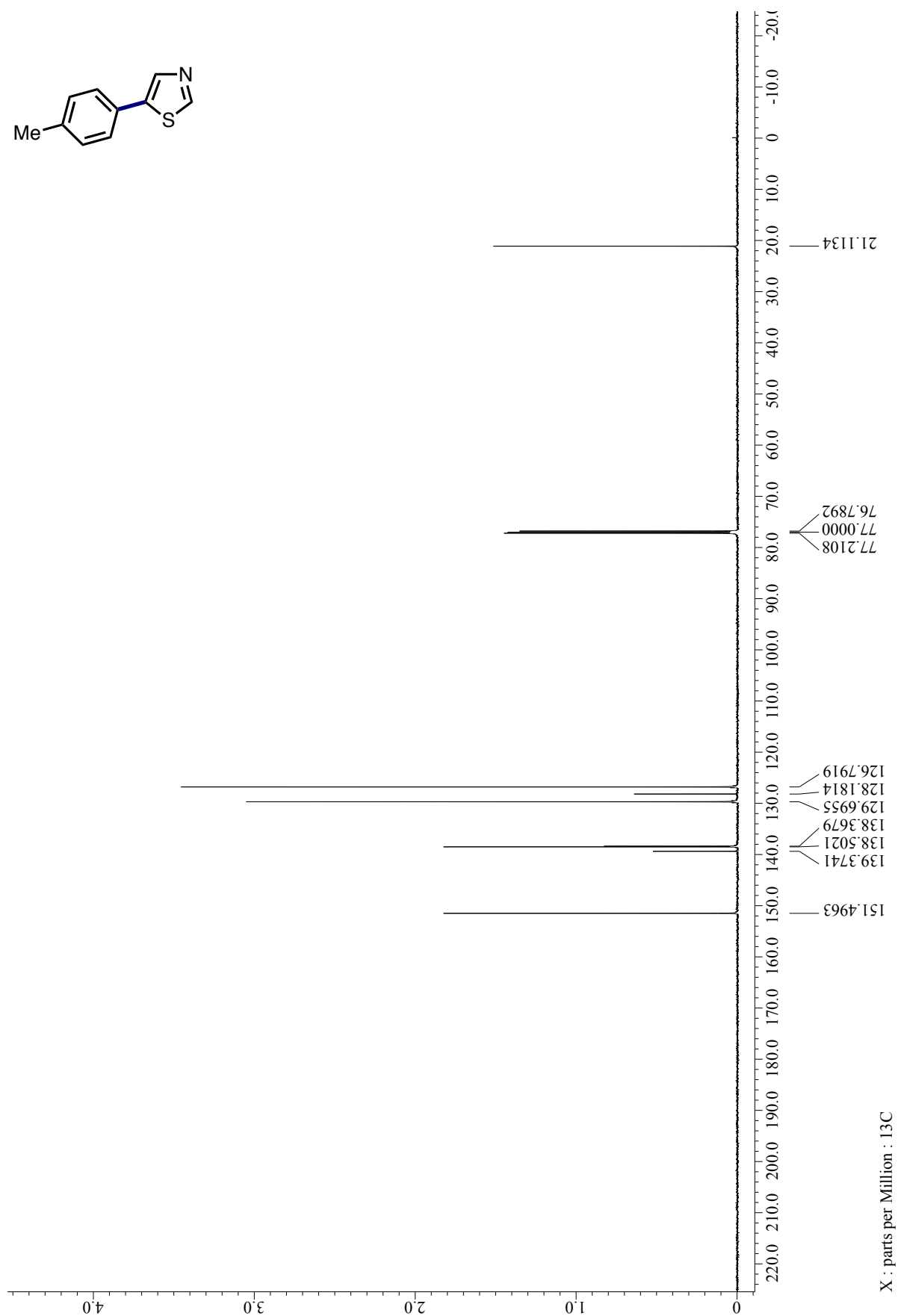
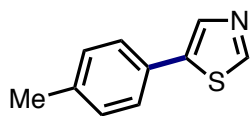
**<sup>1</sup>H NMR (600 MHz, CDCl<sub>3</sub>) of 4b**



**Supporting Information (Tani, Uehara, Yamaguchi, Itami)**  
**Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings**

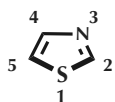


$^{13}\text{C}$  NMR (150 MHz,  $\text{CDCl}_3$ ) of 4b

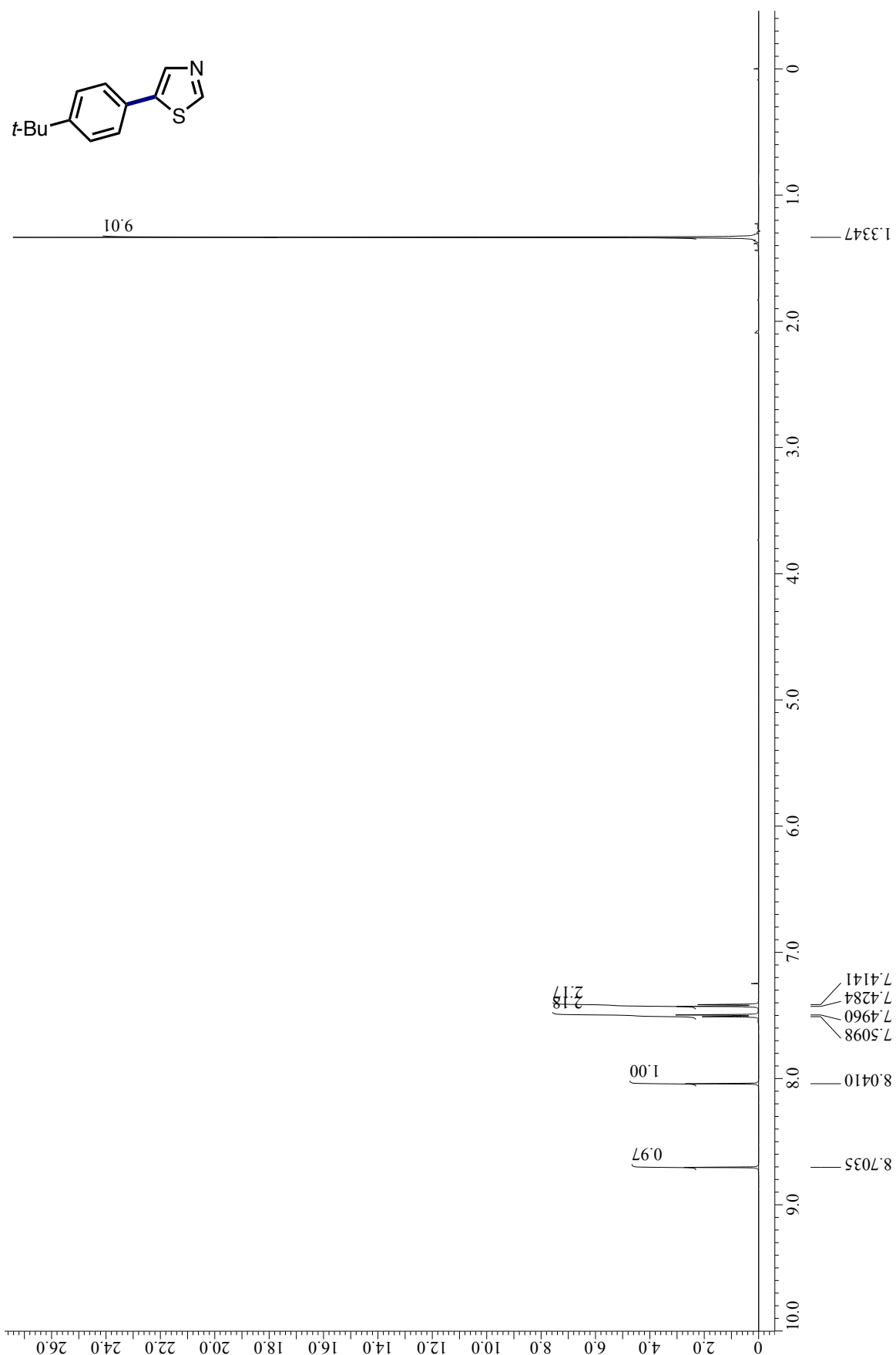


X : parts per Million :  $^{13}\text{C}$

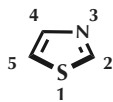
**Supporting Information (Tani, Uehara, Yamaguchi, Itami)**  
**Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings**



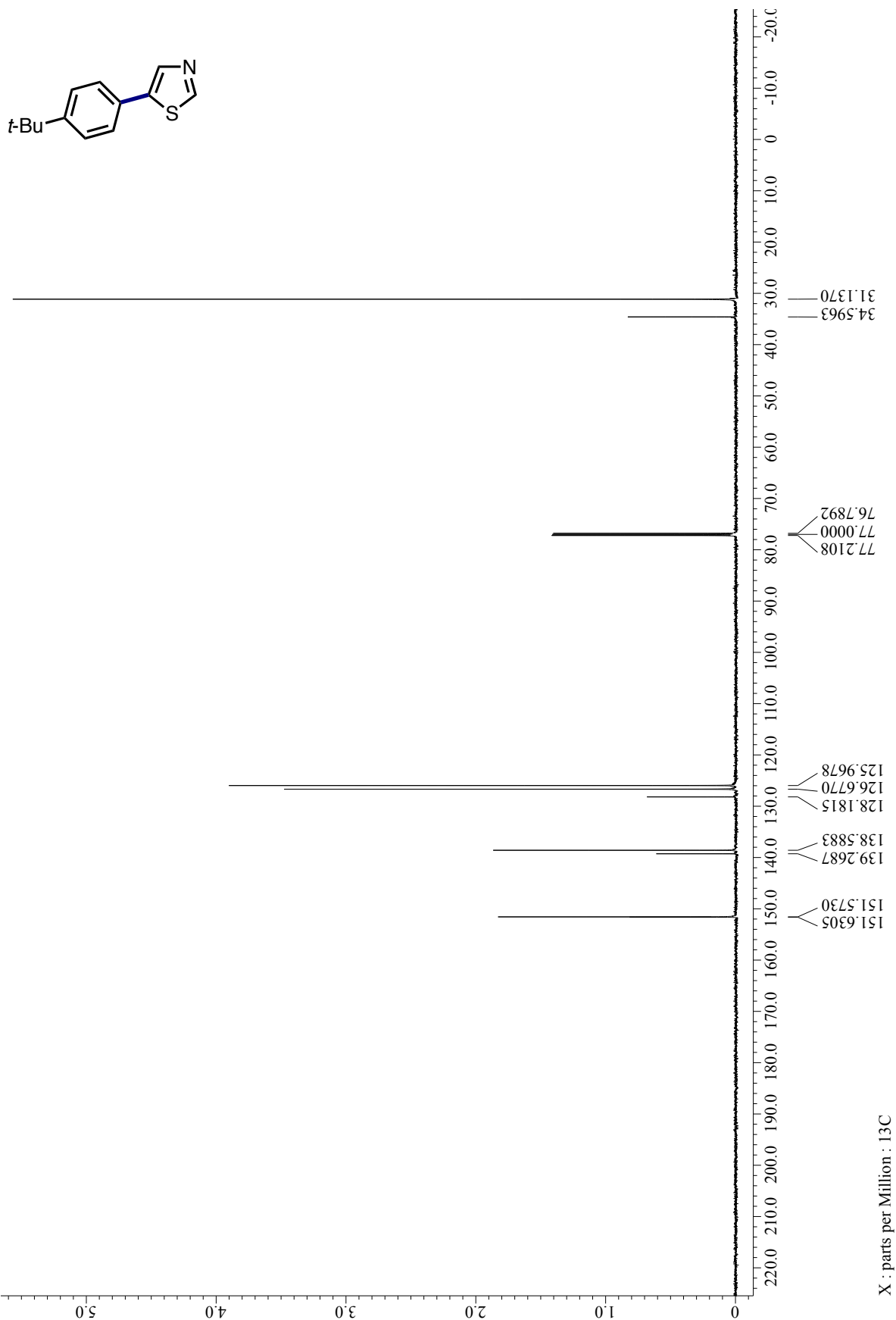
**<sup>1</sup>H NMR (600 MHz, CDCl<sub>3</sub>) of 4c**



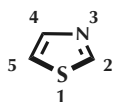
**Supporting Information (Tani, Uehara, Yamaguchi, Itami)**  
**Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings**



<sup>13</sup>C NMR (150 MHz, CDCl<sub>3</sub>) of **4c**

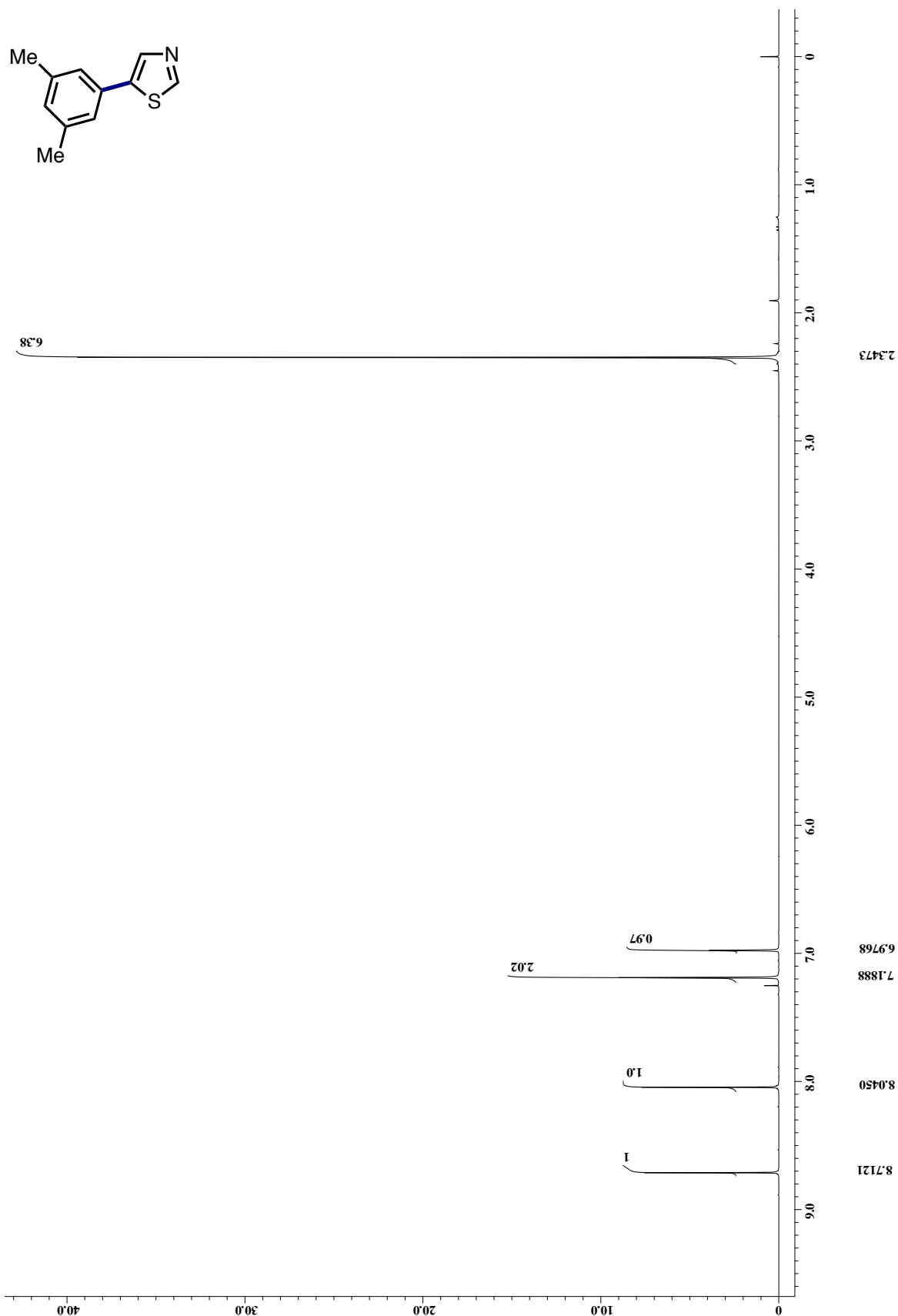


X : parts per Million : 13C

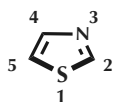


**Supporting Information (Tani, Uehara, Yamaguchi, Itami)**  
**Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings**

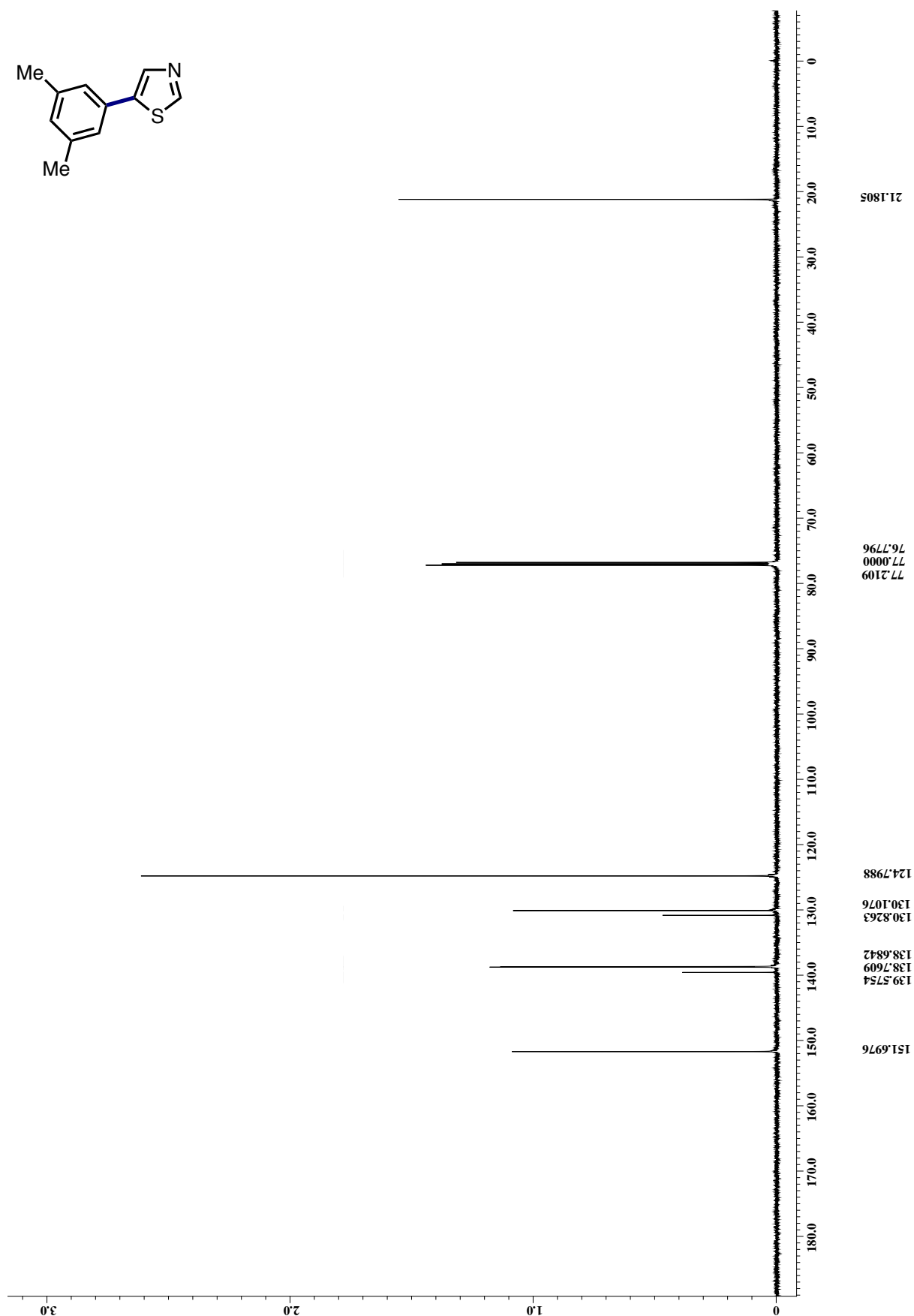
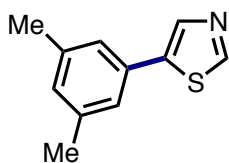
$^1\text{H}$  NMR (600 MHz,  $\text{CDCl}_3$ ) of **4e**



**Supporting Information (Tani, Uehara, Yamaguchi, Itami)**  
**Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings**

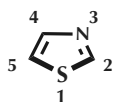


$^{13}\text{C}$  NMR (150 MHz,  $\text{CDCl}_3$ ) of **4e**

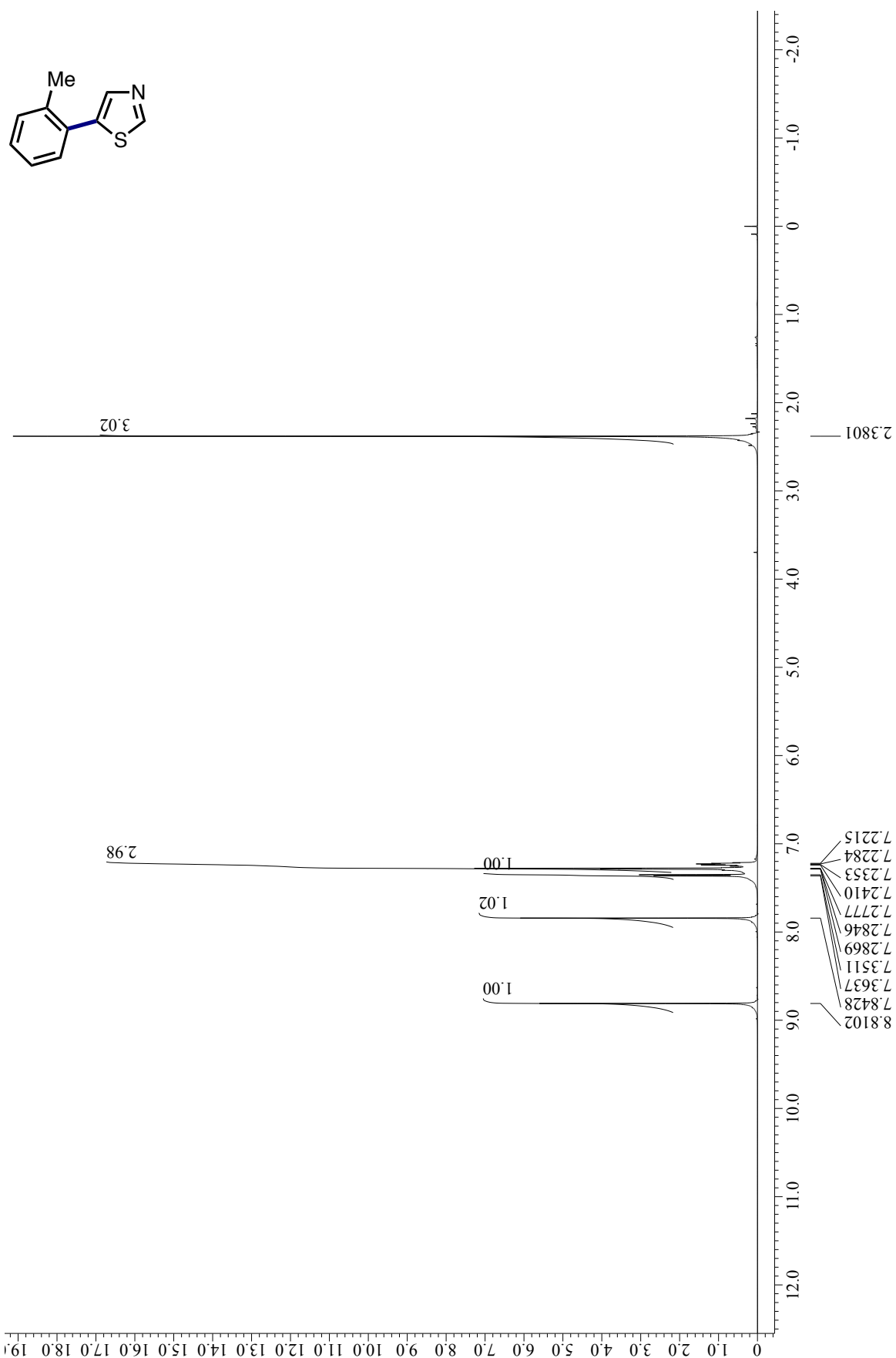




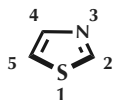
**Supporting Information (Tani, Uehara, Yamaguchi, Itami)**  
**Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings**



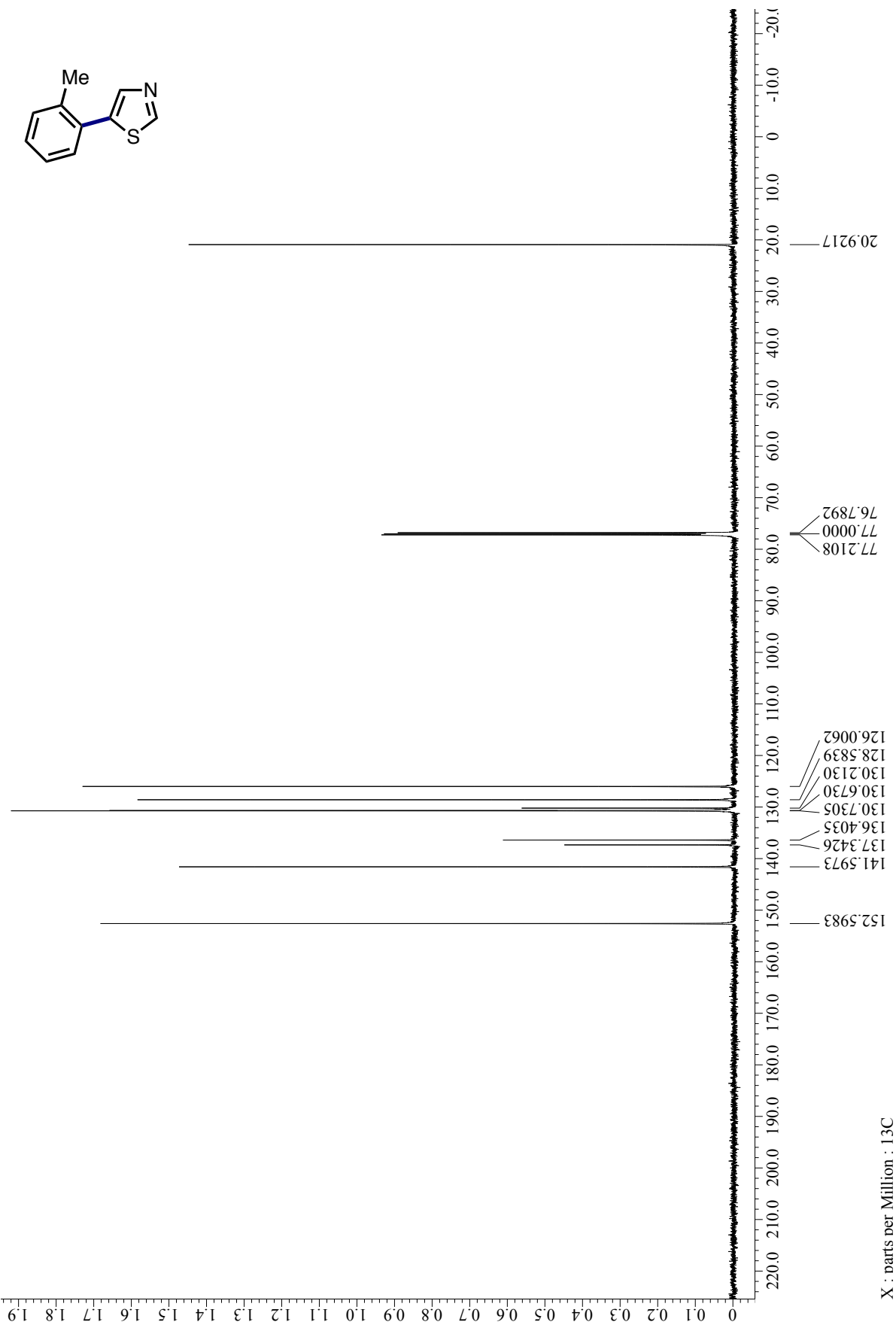
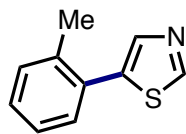
**<sup>1</sup>H NMR (600 MHz, CDCl<sub>3</sub>) of 4f**



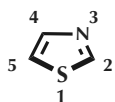
Supporting Information (Tani, Uehara, Yamaguchi, Itami)  
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings



<sup>13</sup>C NMR (150 MHz, CDCl<sub>3</sub>) of 4f

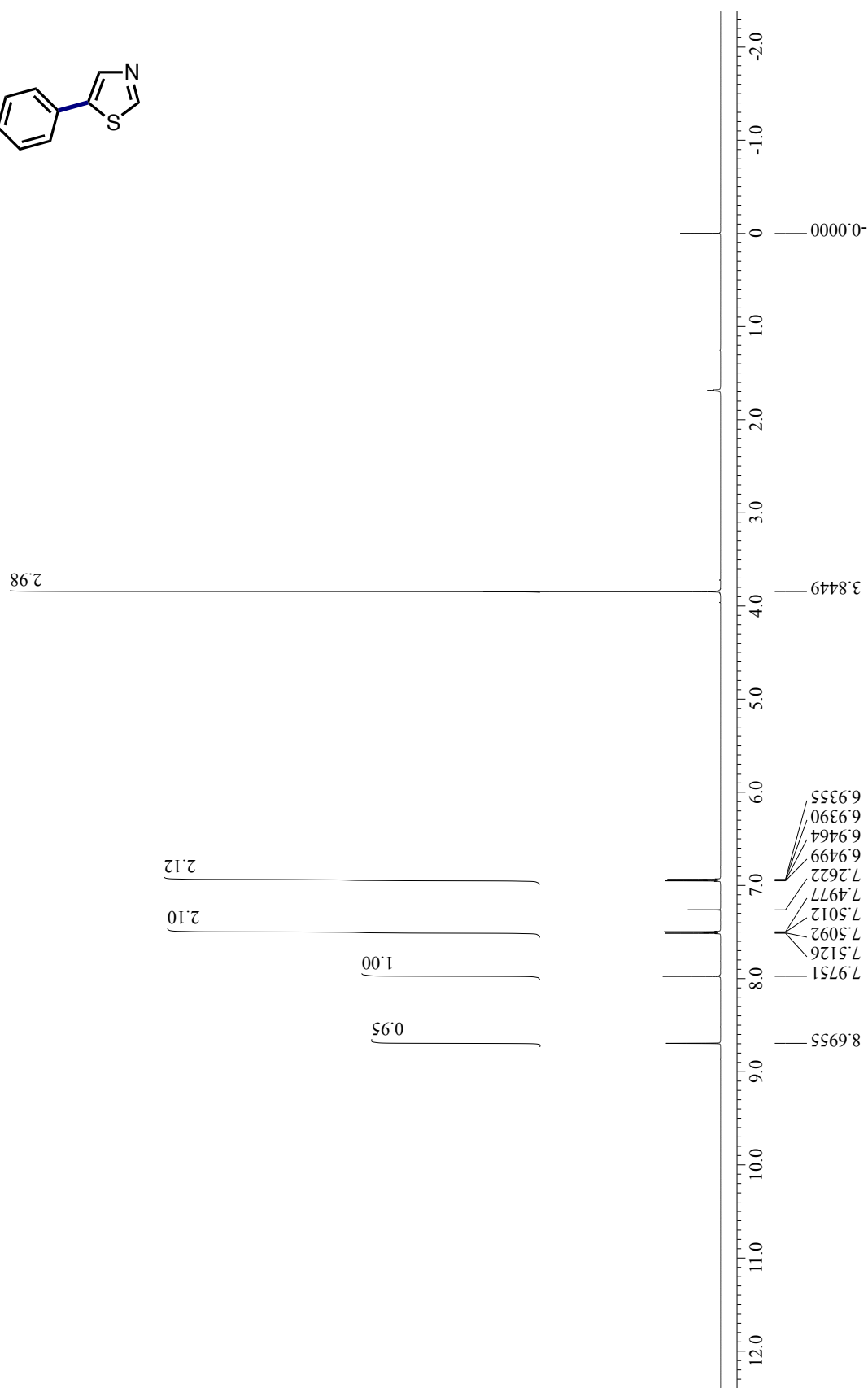
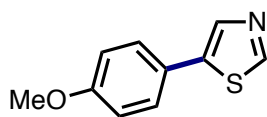


X : parts per Million : <sup>13</sup>C

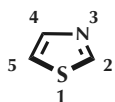


**Supporting Information (Tani, Uehara, Yamaguchi, Itami)**  
**Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings**

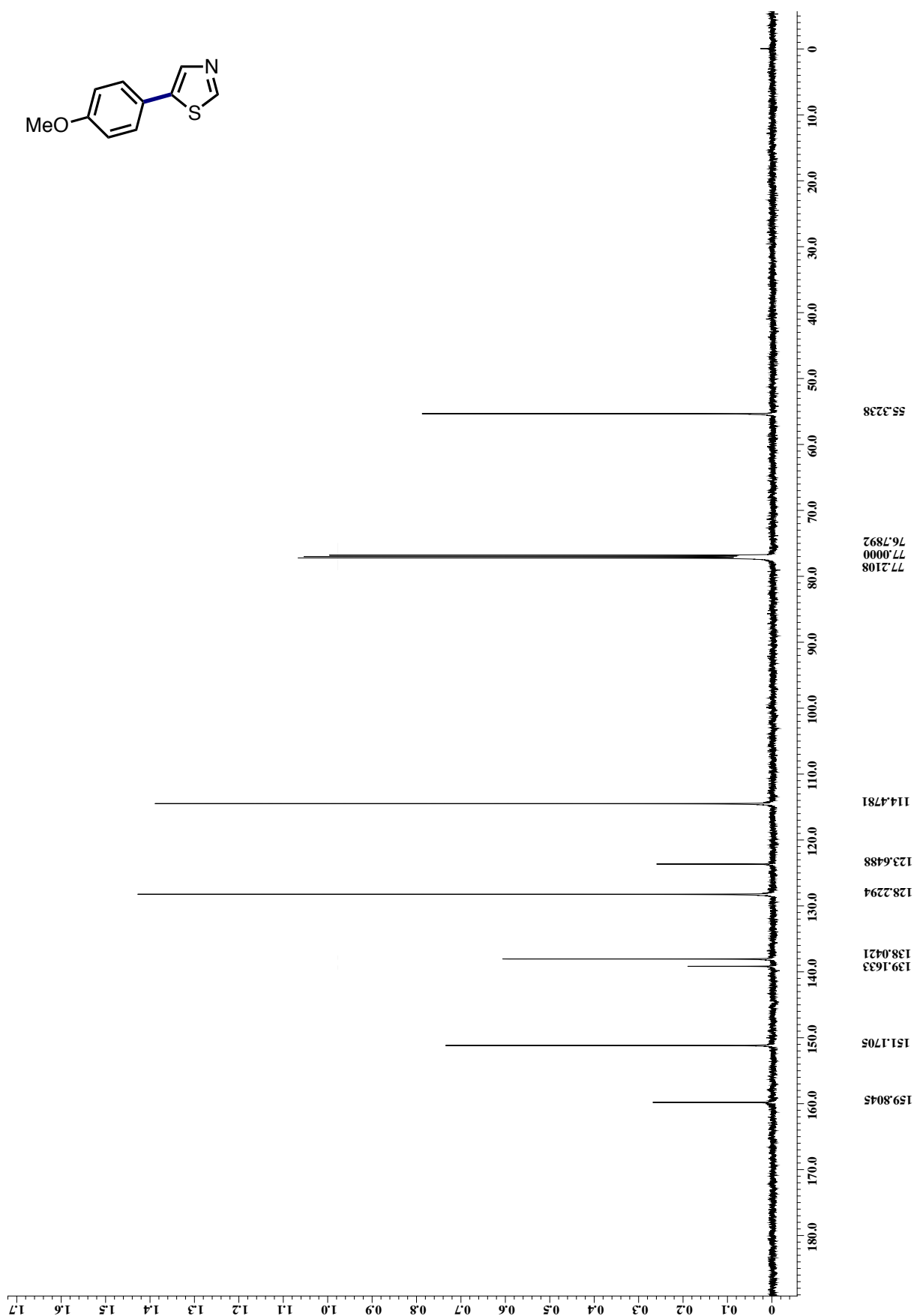
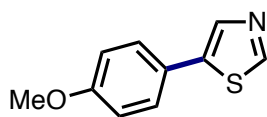
<sup>1</sup>H NMR (600 MHz, CDCl<sub>3</sub>) of 4g

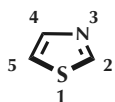


**Supporting Information (Tani, Uehara, Yamaguchi, Itami)**  
**Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings**



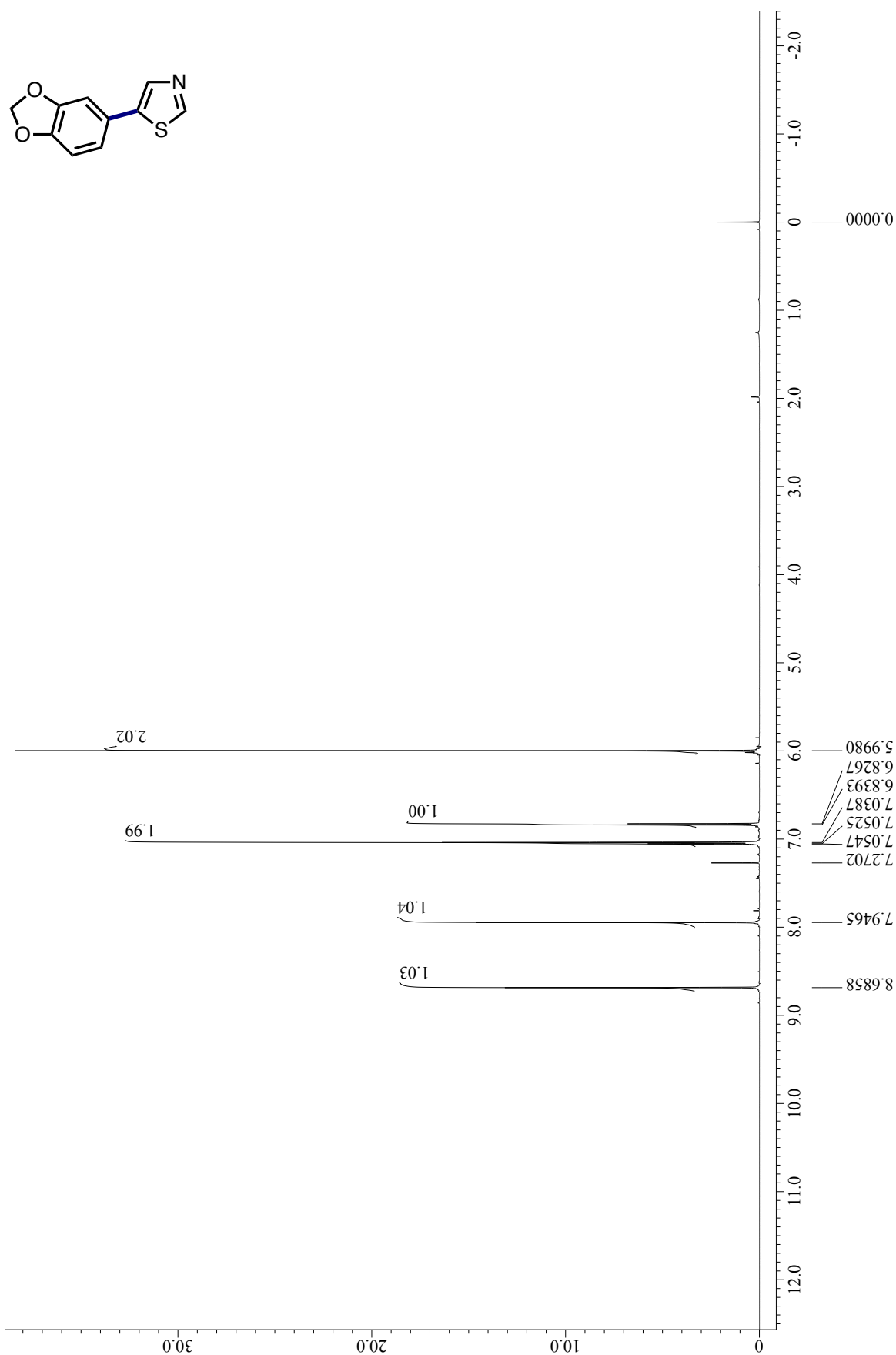
$^{13}\text{C}$  NMR (150 MHz,  $\text{CDCl}_3$ ) of **4g**

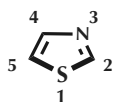




**Supporting Information (Tani, Uehara, Yamaguchi, Itami)**  
**Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings**

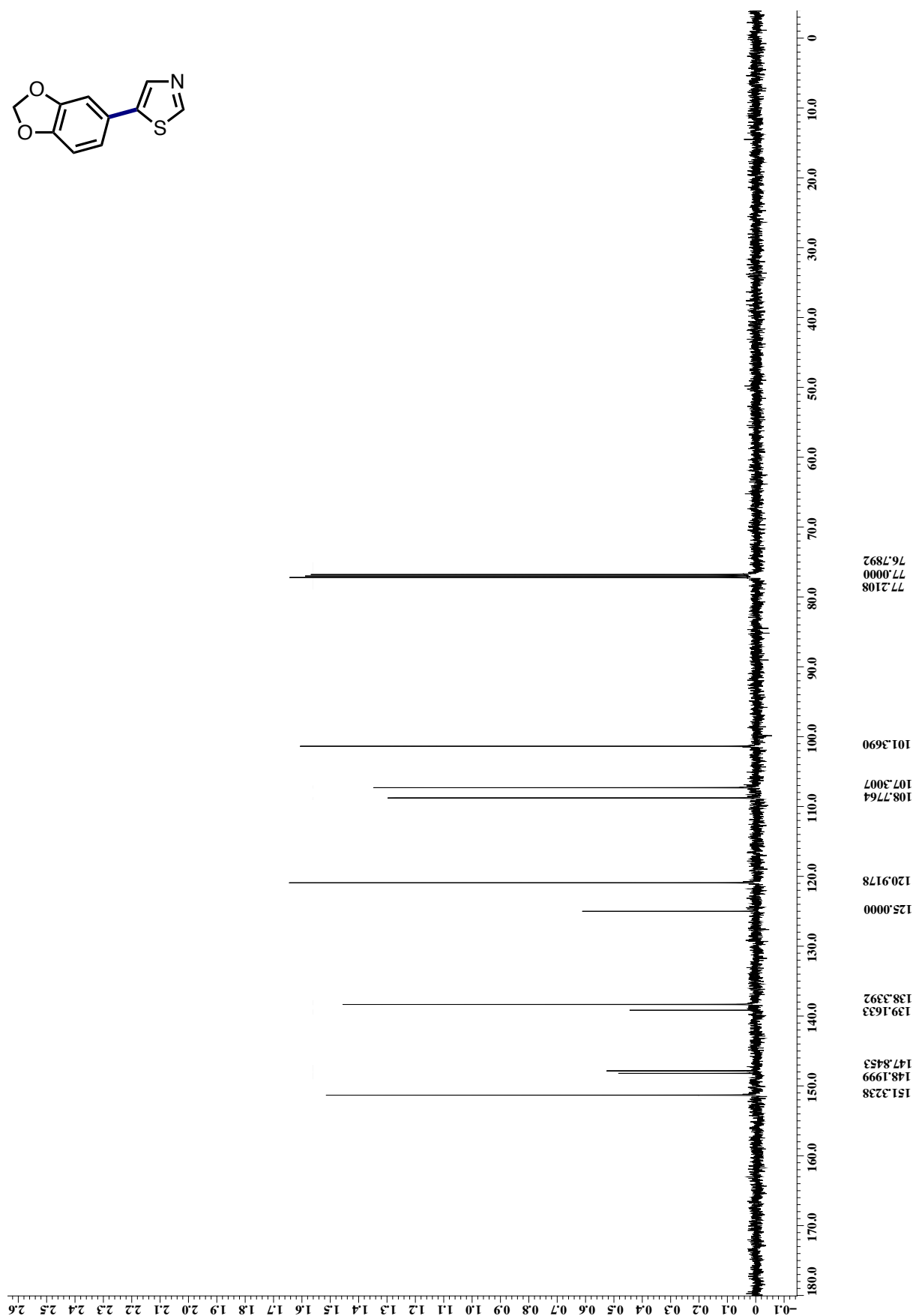
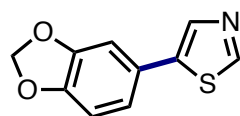
**<sup>1</sup>H NMR (600 MHz, CDCl<sub>3</sub>) of 4h**

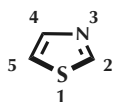




**Supporting Information (Tani, Uehara, Yamaguchi, Itami)**  
**Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings**

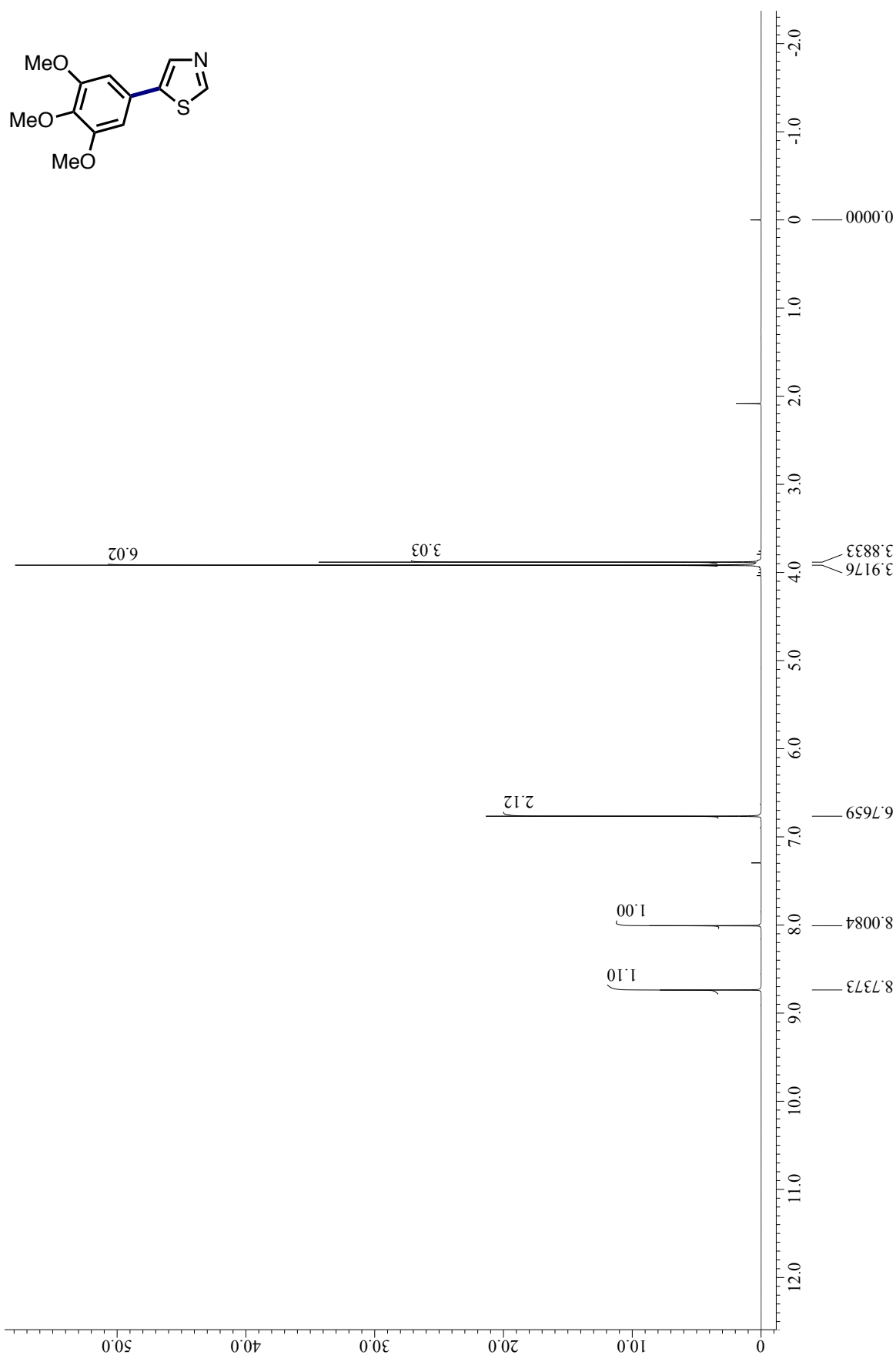
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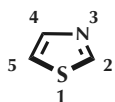




**Supporting Information (Tani, Uehara, Yamaguchi, Itami)**  
**Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings**

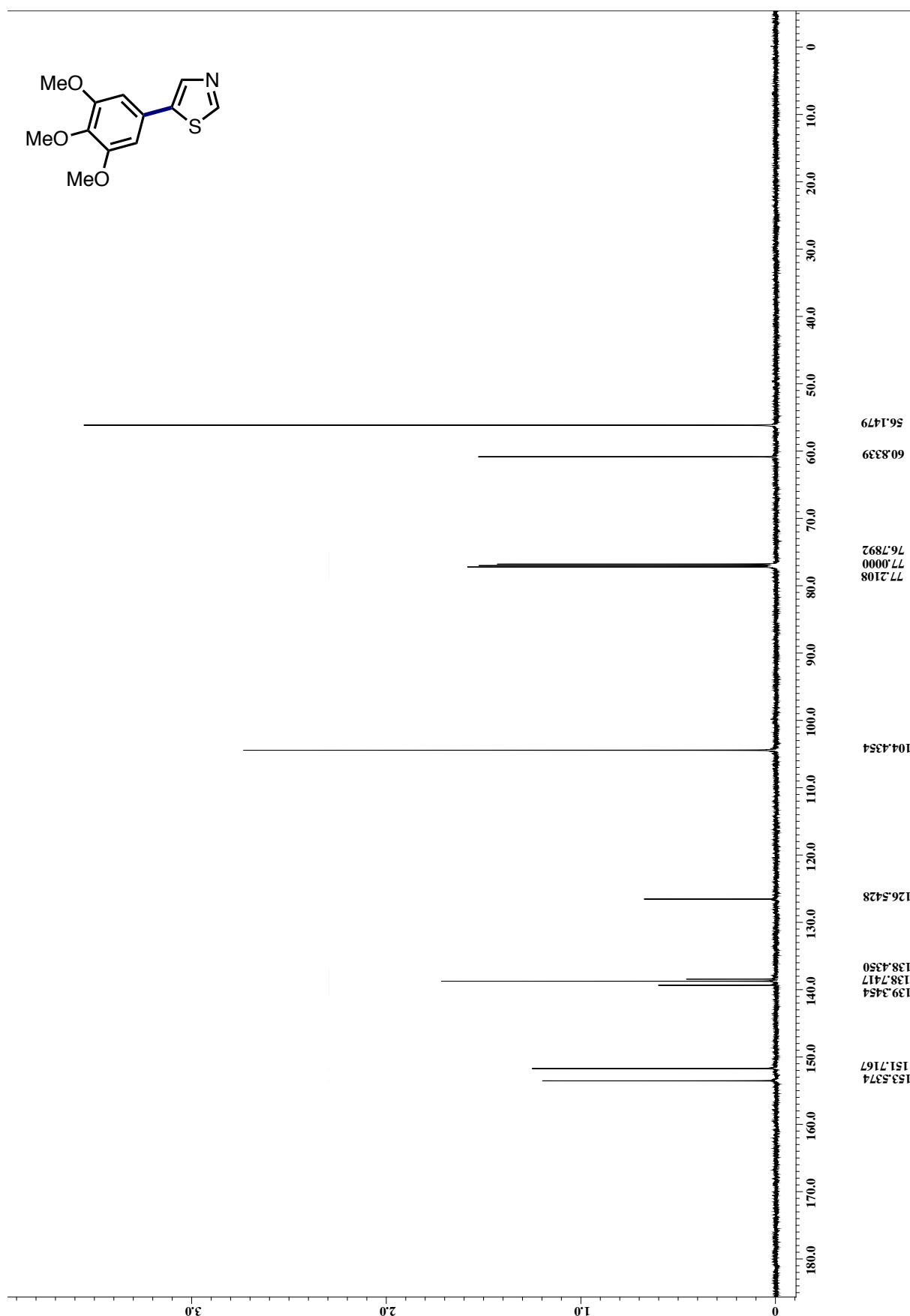
**<sup>1</sup>H NMR (600 MHz, CDCl<sub>3</sub>) of 4i**



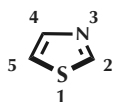


**Supporting Information (Tani, Uehara, Yamaguchi, Itami)**  
**Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings**

$^{13}\text{C}$  NMR (150 MHz,  $\text{CDCl}_3$ ) of **4i**

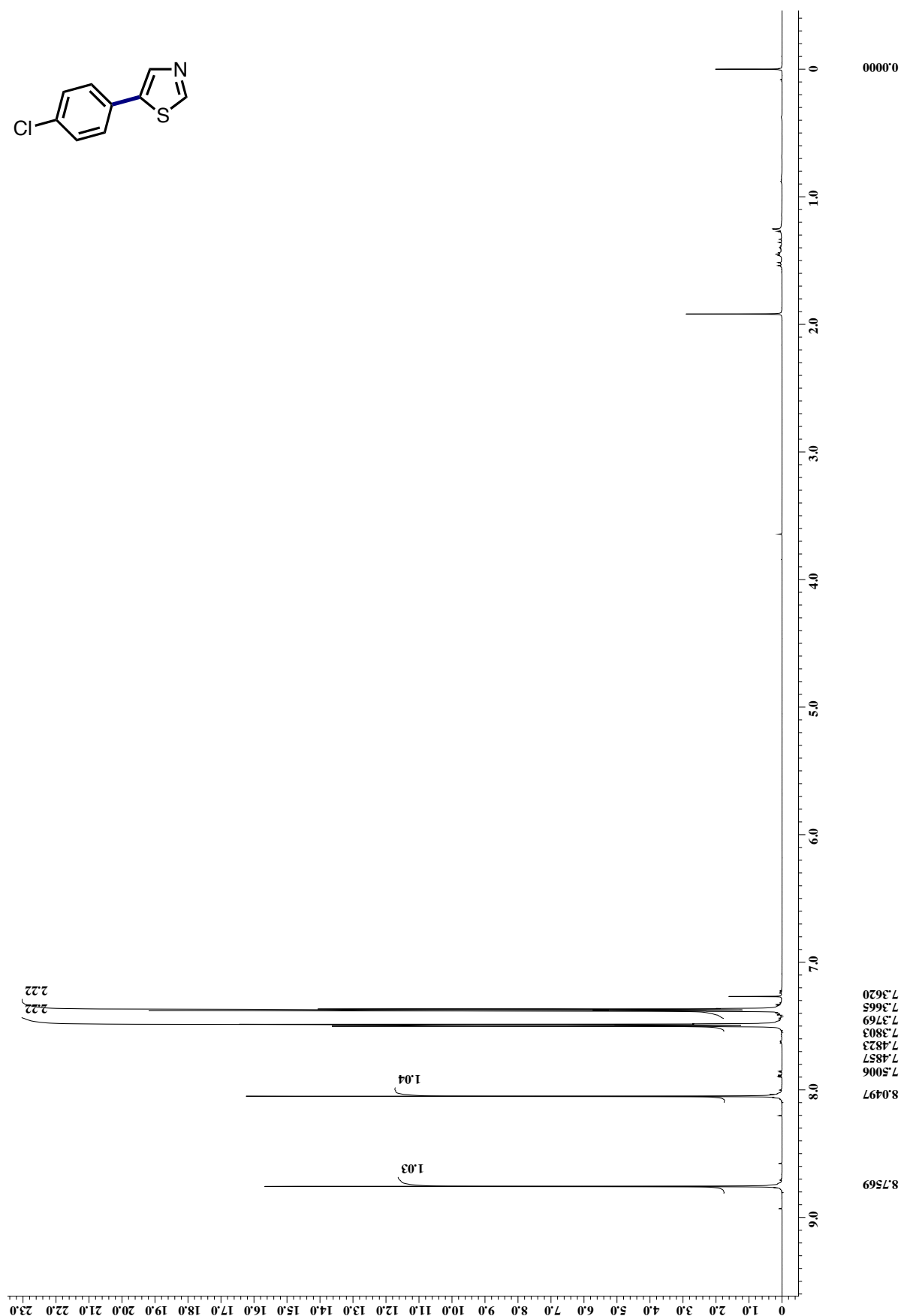
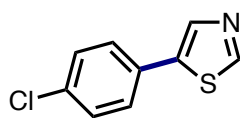


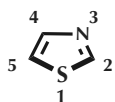




**Supporting Information (Tani, Uehara, Yamaguchi, Itami)**  
**Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings**

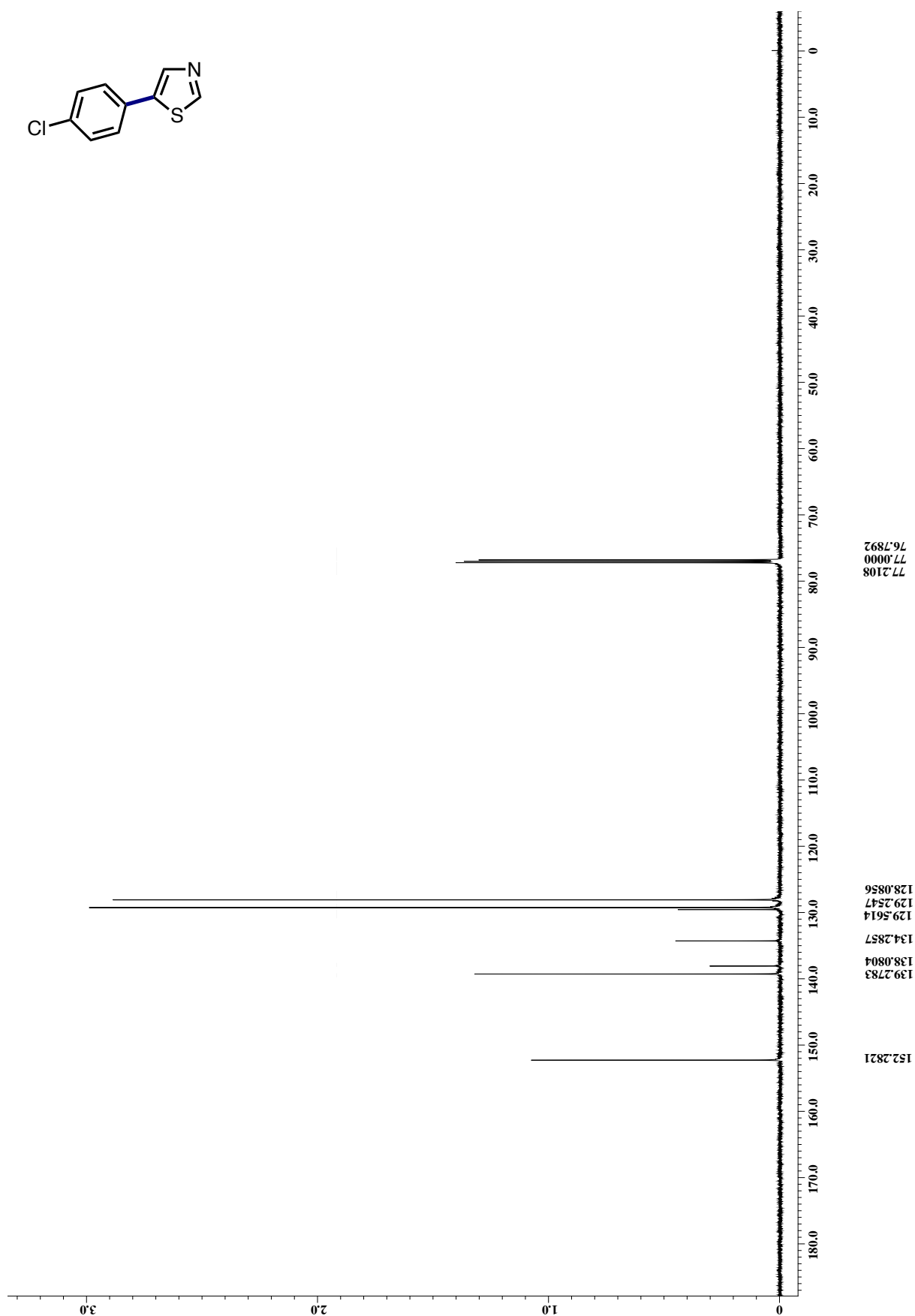
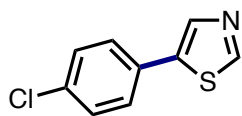
<sup>1</sup>H NMR (600 MHz, CDCl<sub>3</sub>) of 4j



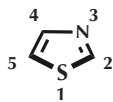


**Supporting Information (Tani, Uehara, Yamaguchi, Itami)**  
**Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings**

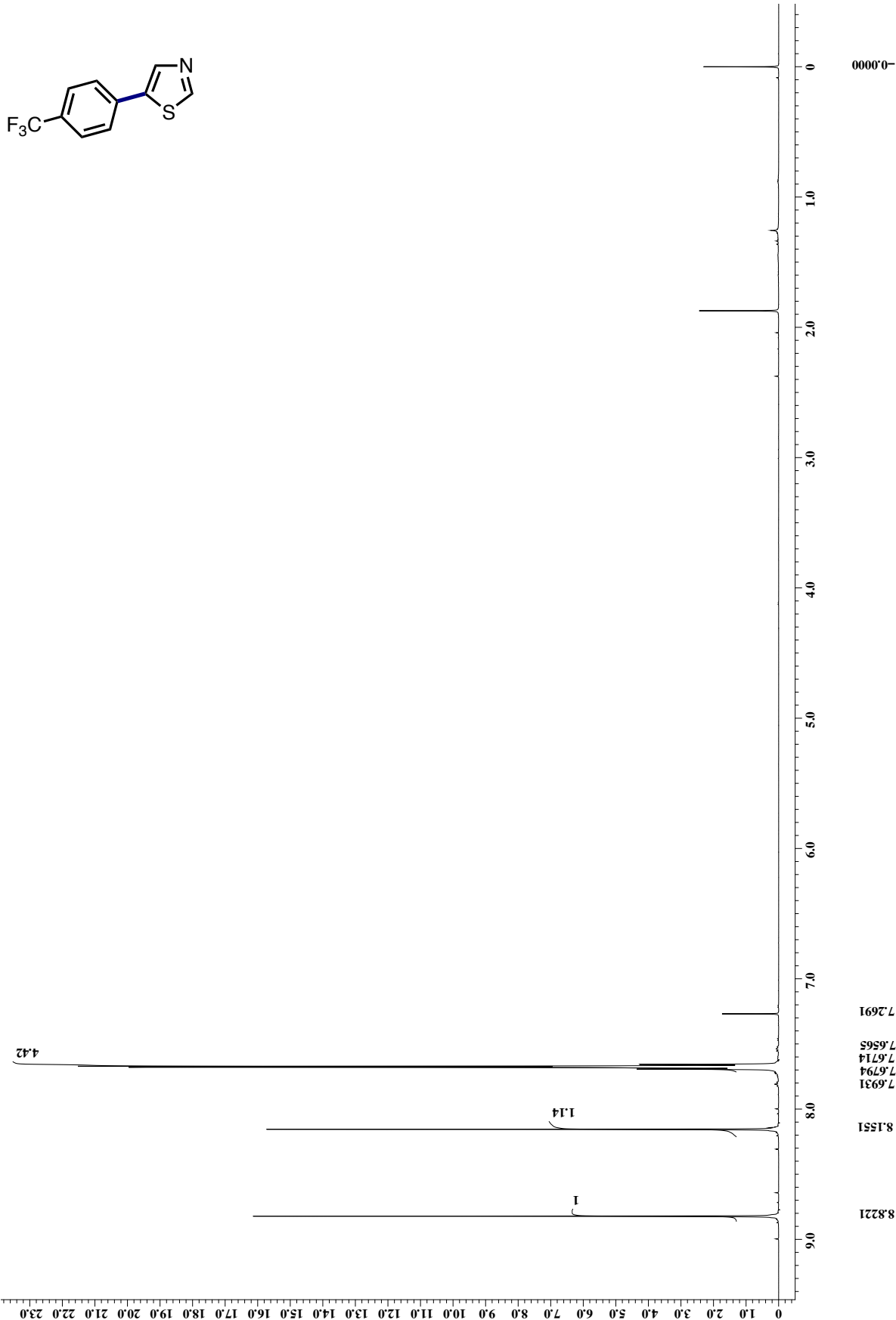
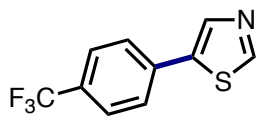
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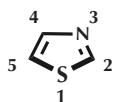


Supporting Information (Tani, Uehara, Yamaguchi, Itami)  
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings



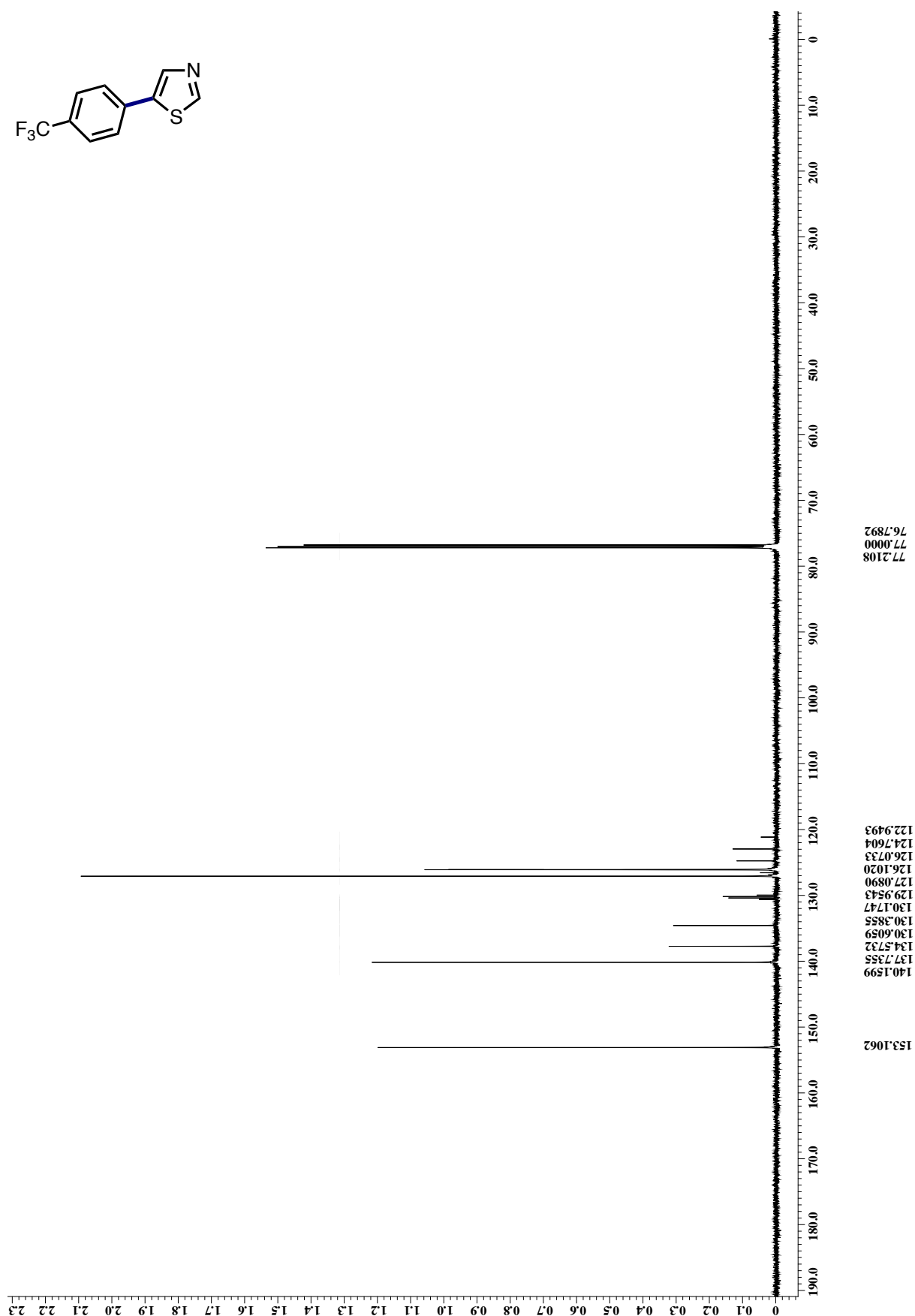
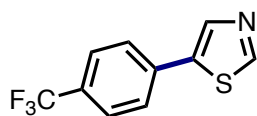
<sup>1</sup>H NMR (600 MHz, CDCl<sub>3</sub>) of 4k

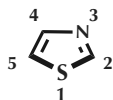




**Supporting Information (Tani, Uehara, Yamaguchi, Itami)**  
**Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings**

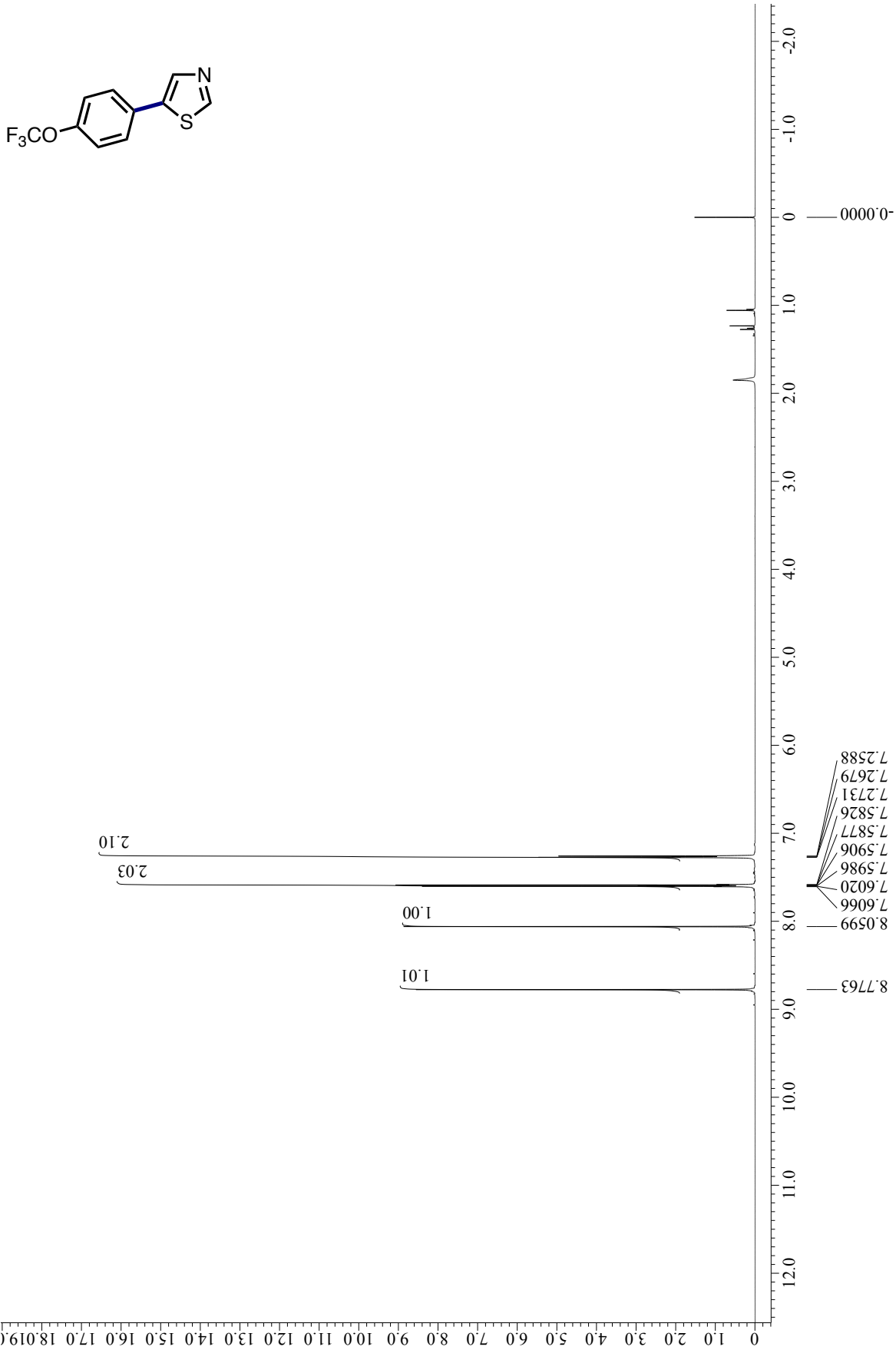
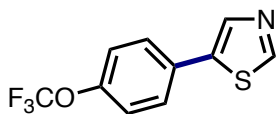
$^{13}\text{C}$  NMR (150 MHz,  $\text{CDCl}_3$ ) of **4k**



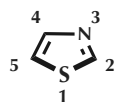


**Supporting Information (Tani, Uehara, Yamaguchi, Itami)**  
**Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings**

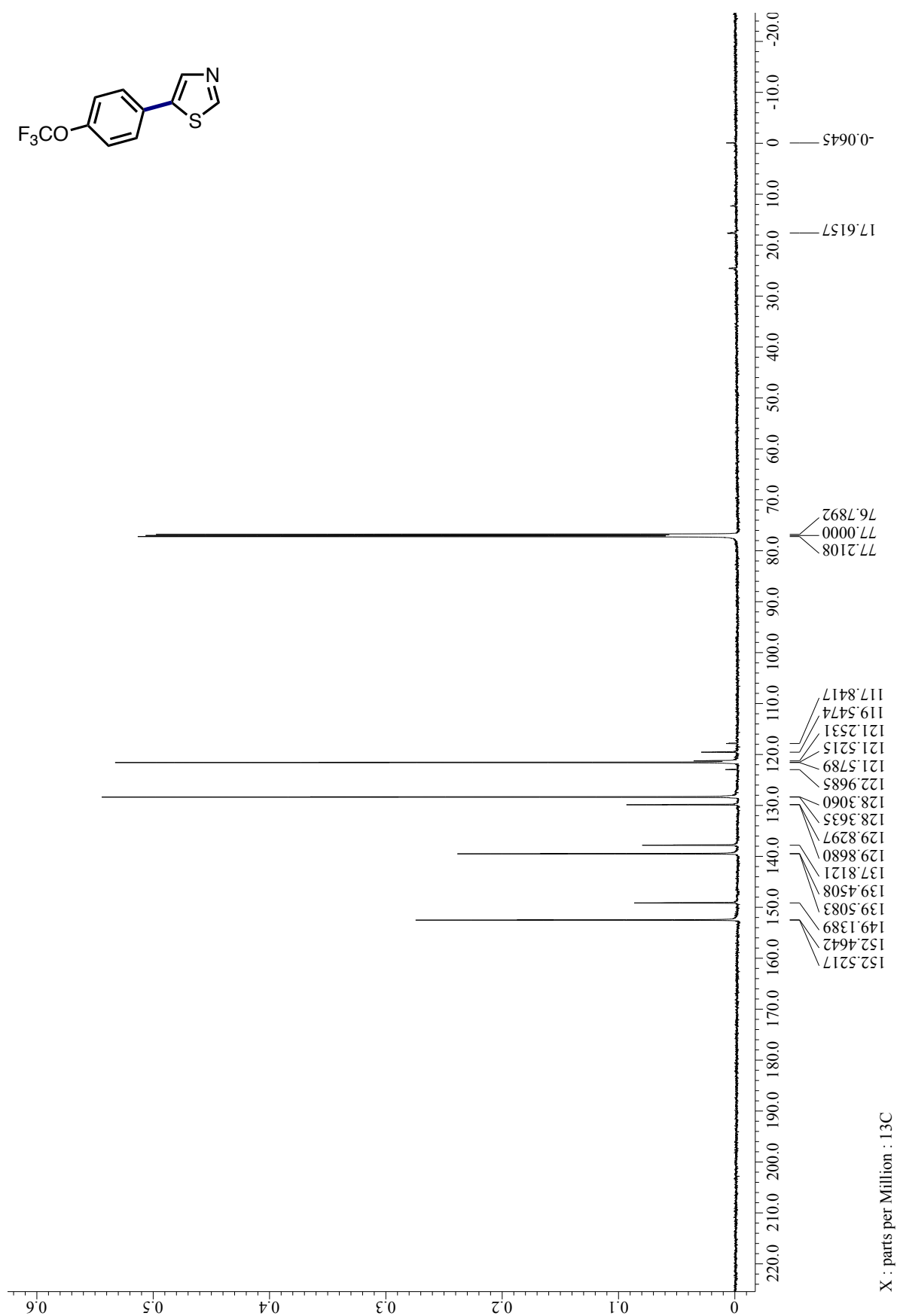
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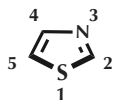


**Supporting Information (Tani, Uehara, Yamaguchi, Itami)**  
**Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings**



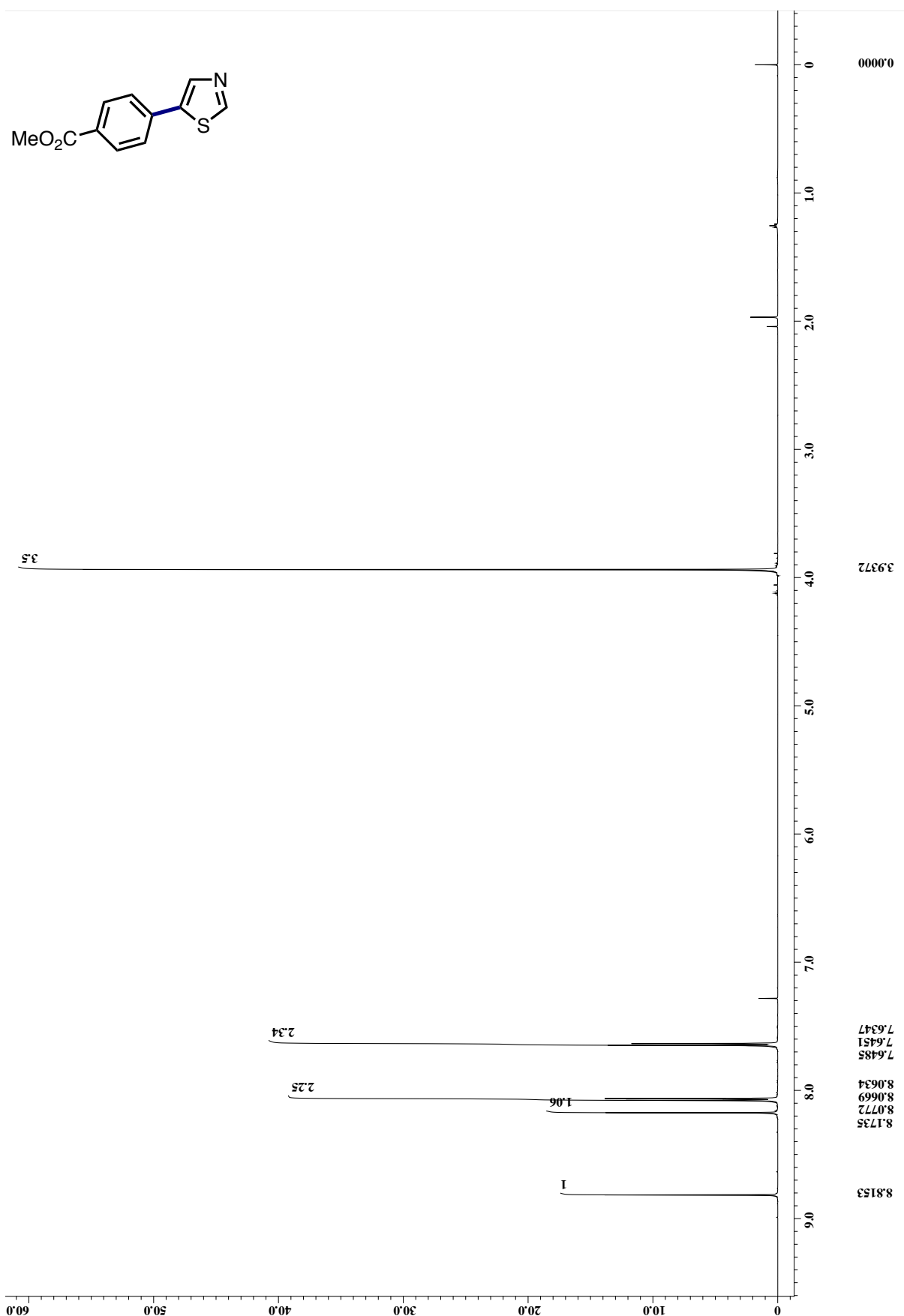
$^{13}\text{C}$  NMR (150 MHz,  $\text{CDCl}_3$ ) of **4m**



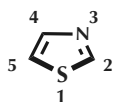


**Supporting Information (Tani, Uehara, Yamaguchi, Itami)**  
**Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings**

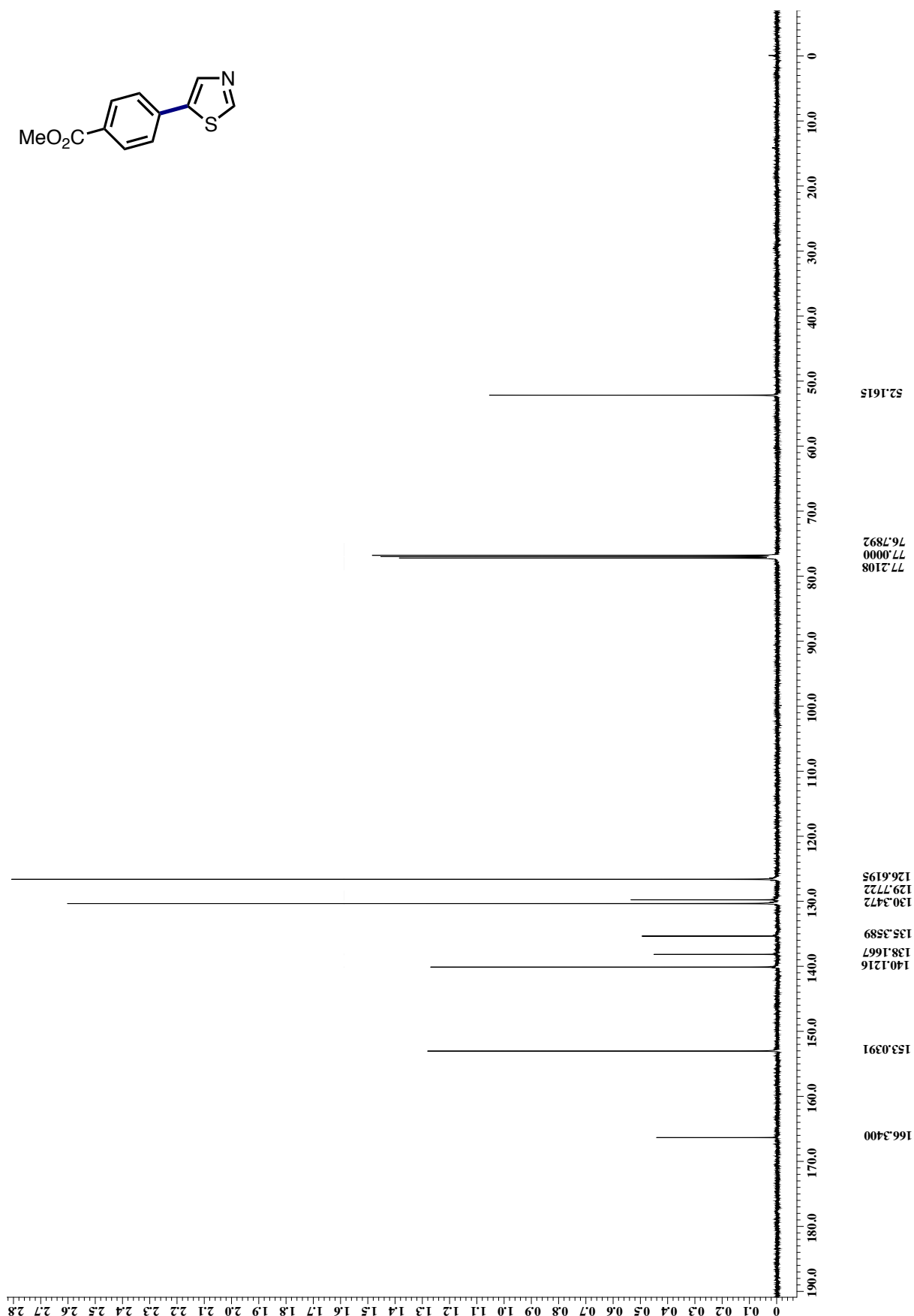
**<sup>1</sup>H NMR (600 MHz, CDCl<sub>3</sub>) of 4n**



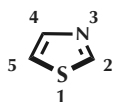
**Supporting Information (Tani, Uehara, Yamaguchi, Itami)**  
**Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings**



$^{13}\text{C}$  NMR (150 MHz,  $\text{CDCl}_3$ ) of **4n**

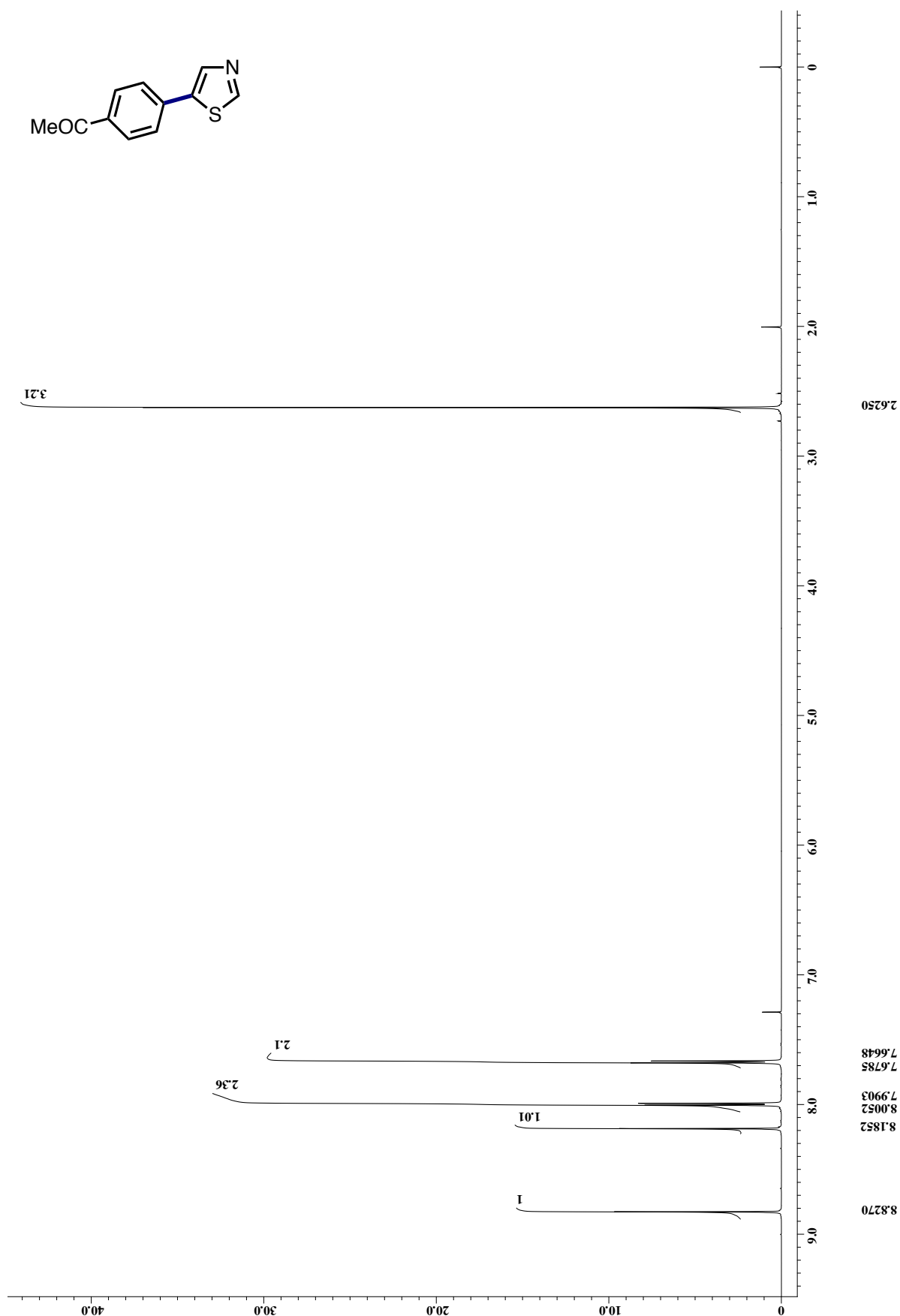
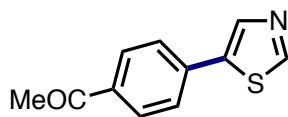


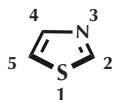




**Supporting Information (Tani, Uehara, Yamaguchi, Itami)**  
**Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings**

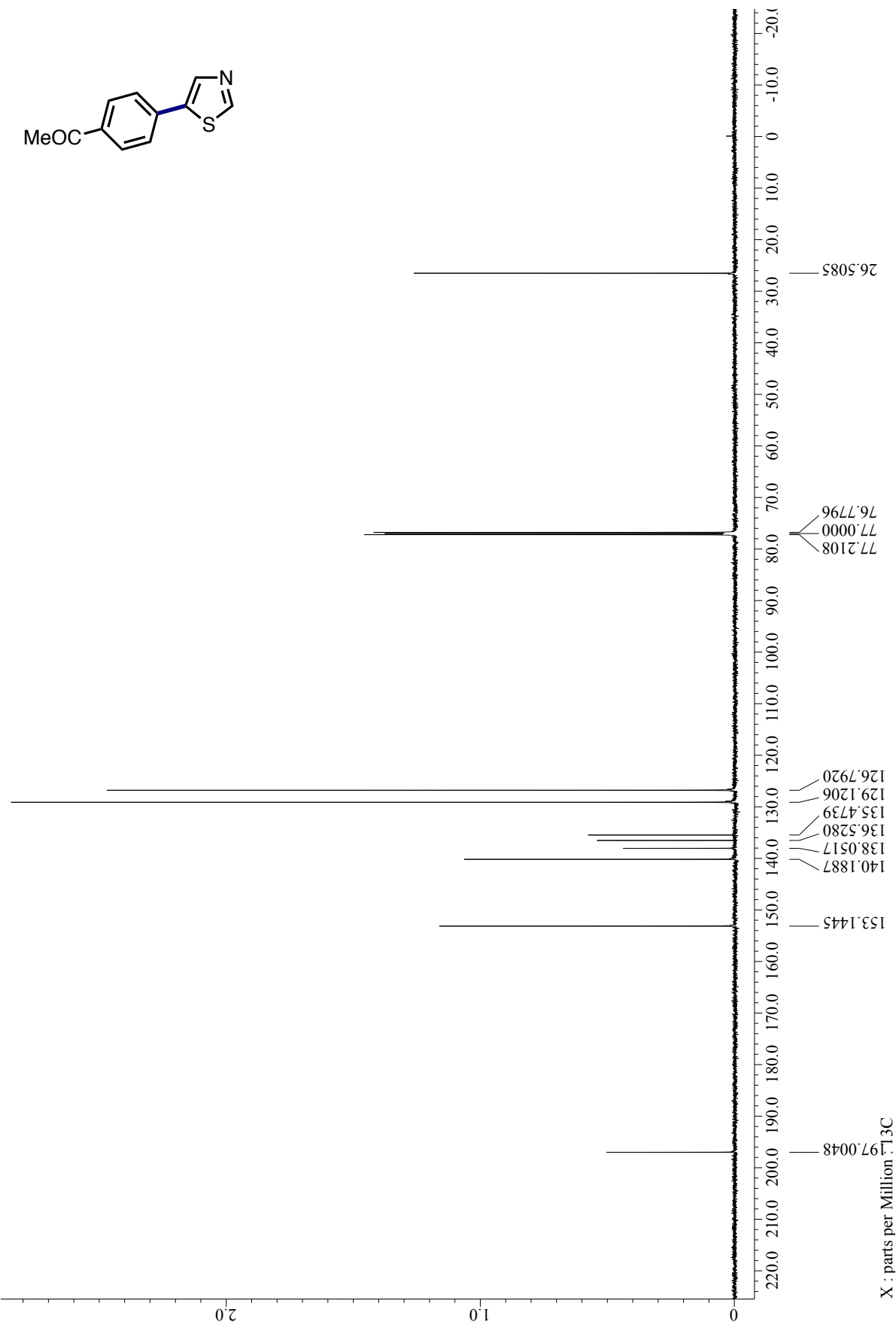
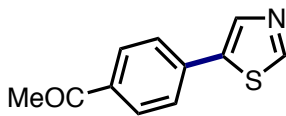
$^1\text{H}$  NMR (600 MHz,  $\text{CDCl}_3$ ) of **4o**

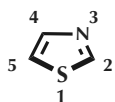




Supporting Information (Tani, Uehara, Yamaguchi, Itami)  
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

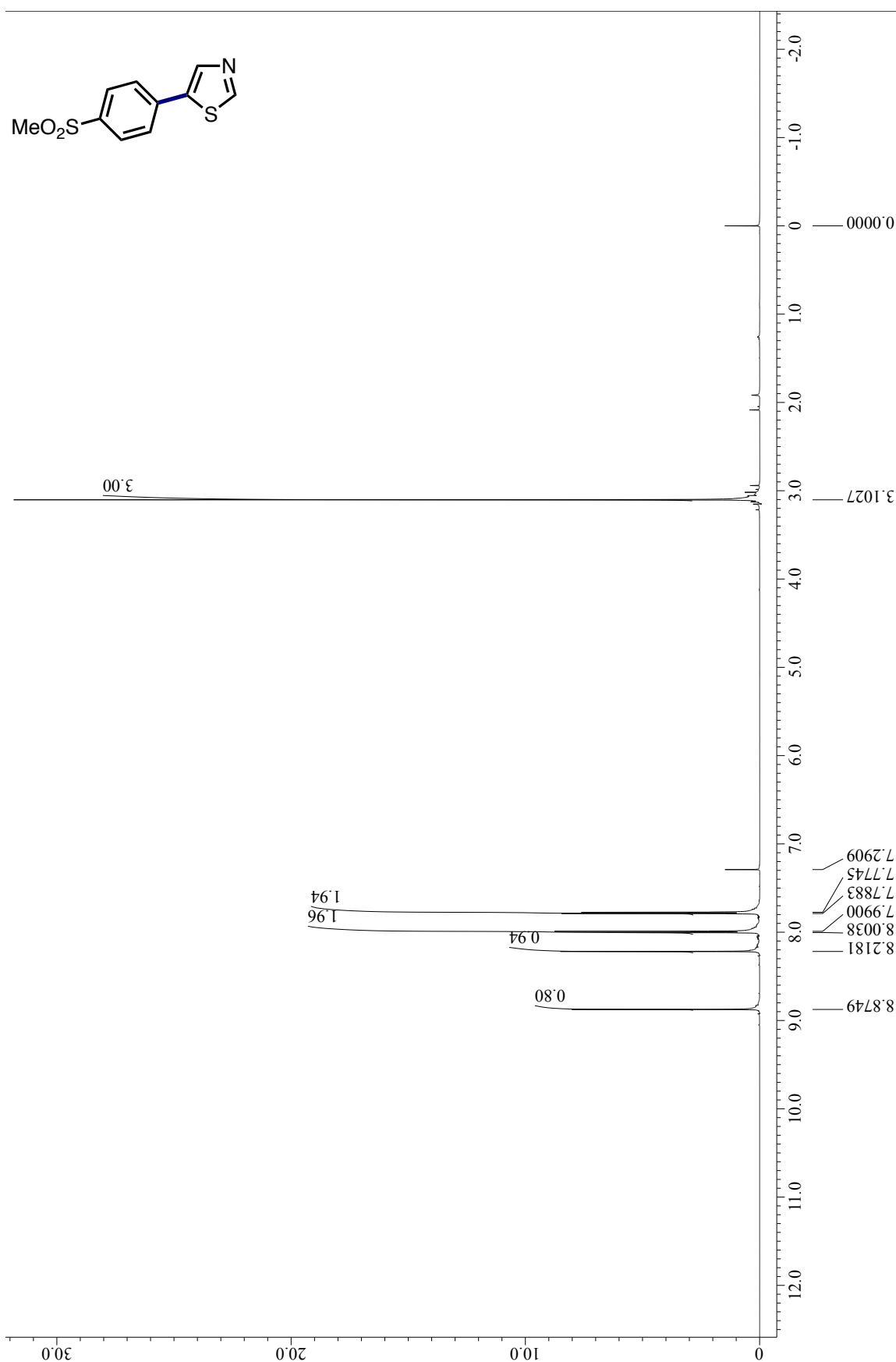
<sup>13</sup>C NMR (150 MHz, CDCl<sub>3</sub>) of 4o



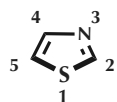


**Supporting Information (Tani, Uehara, Yamaguchi, Itami)**  
**Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings**

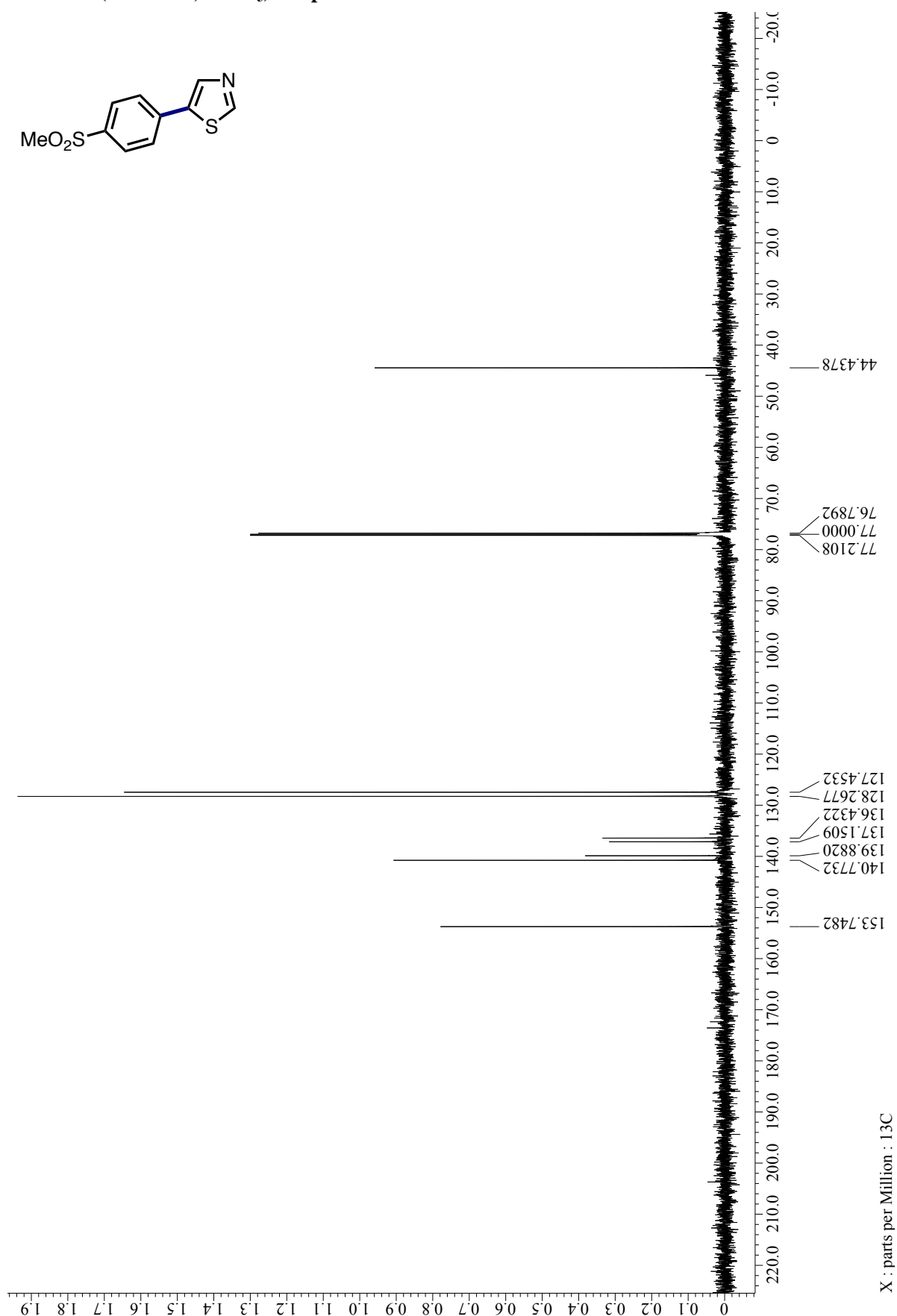
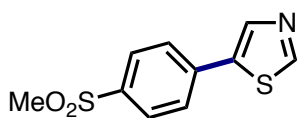
**<sup>1</sup>H NMR (600 MHz, CDCl<sub>3</sub>) of 4p**



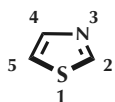
**Supporting Information (Tani, Uehara, Yamaguchi, Itami)**  
**Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings**



$^{13}\text{C}$  NMR (150 MHz,  $\text{CDCl}_3$ ) of **4p**

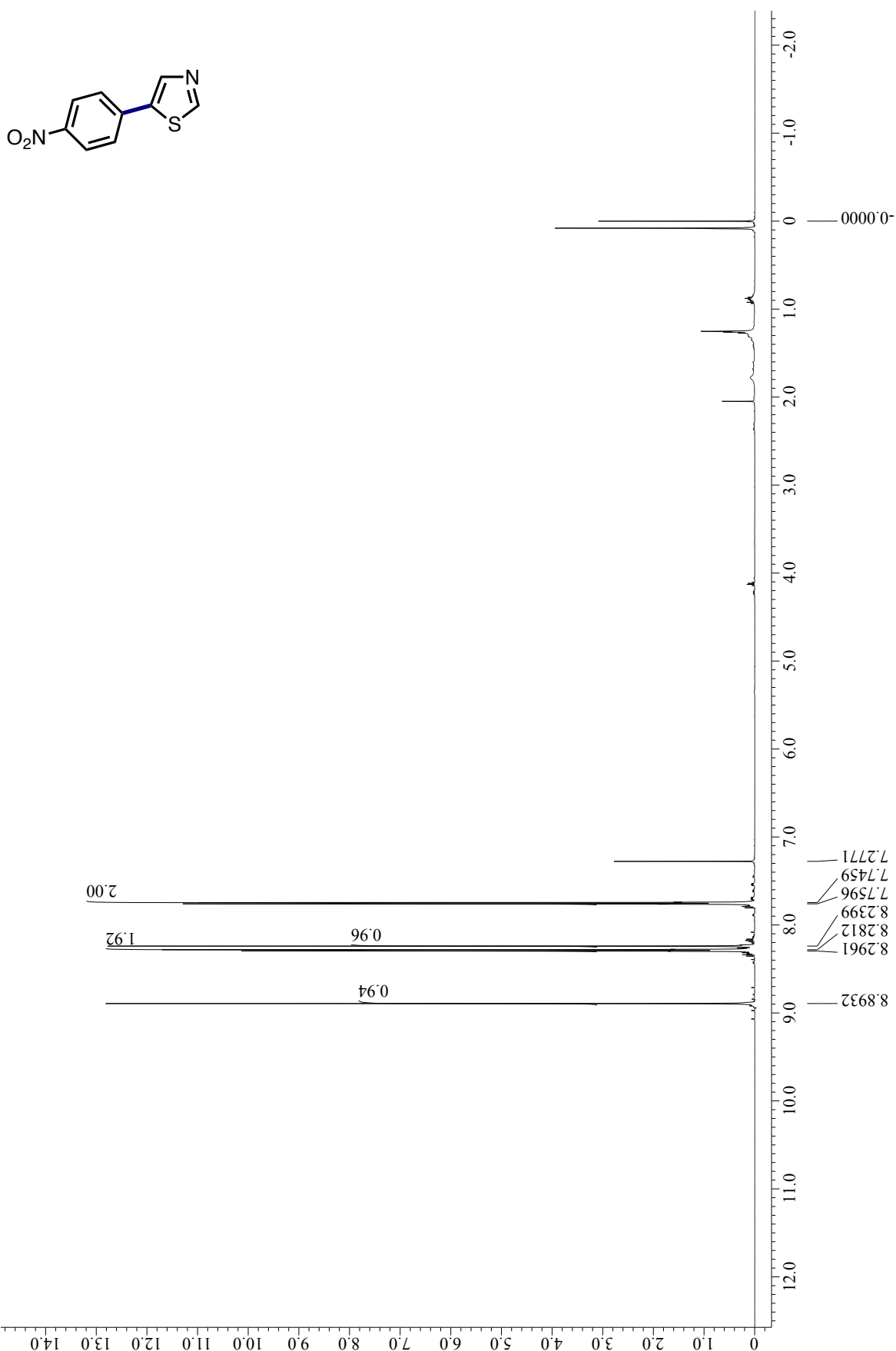


X : parts per Million :  $^{13}\text{C}$

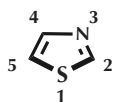


**Supporting Information (Tani, Uehara, Yamaguchi, Itami)**  
**Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings**

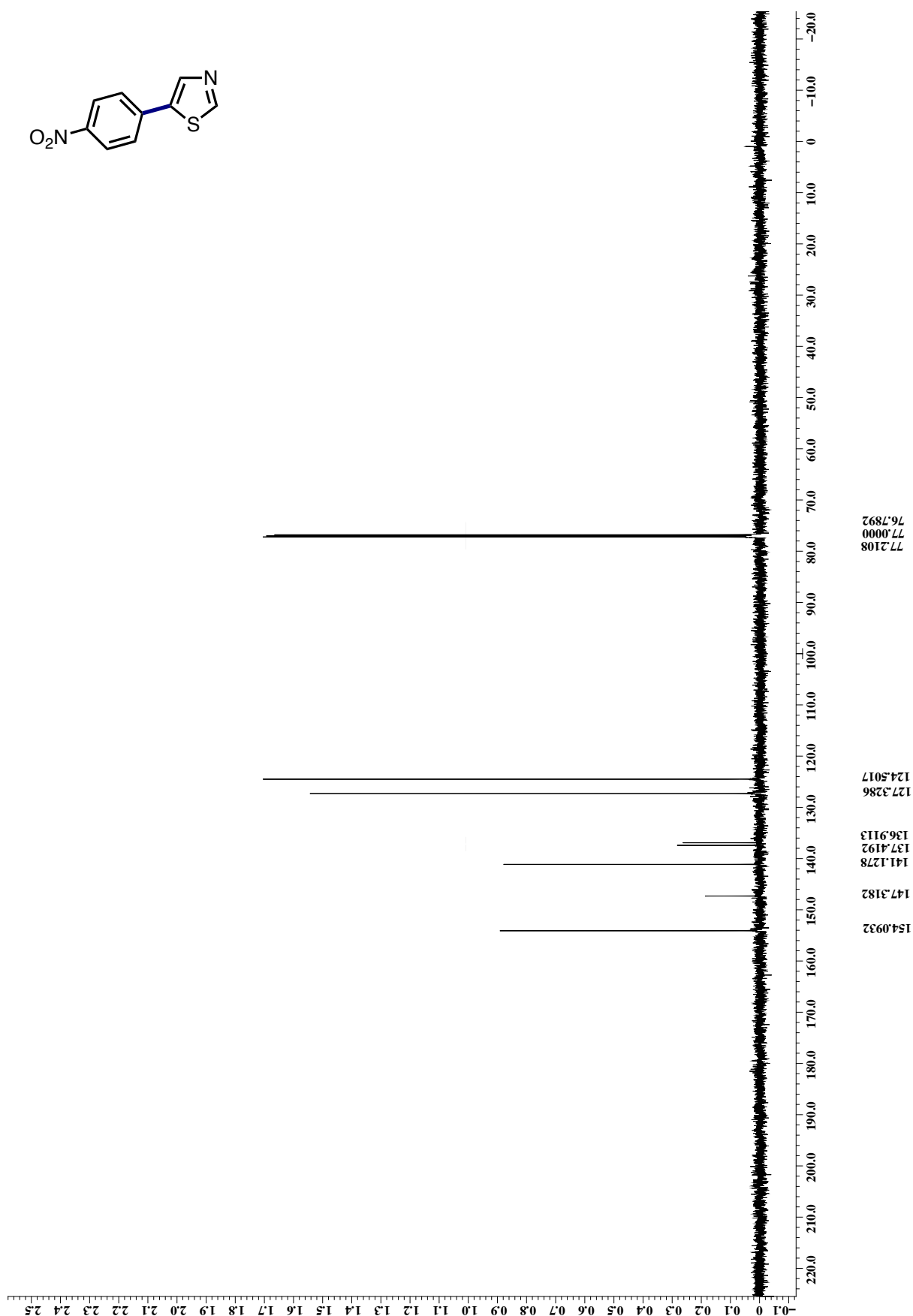
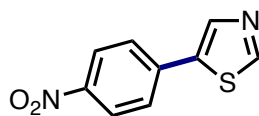
$^1\text{H}$  NMR (600 MHz,  $\text{CDCl}_3$ ) of **4q**



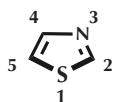
**Supporting Information (Tani, Uehara, Yamaguchi, Itami)**  
**Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings**



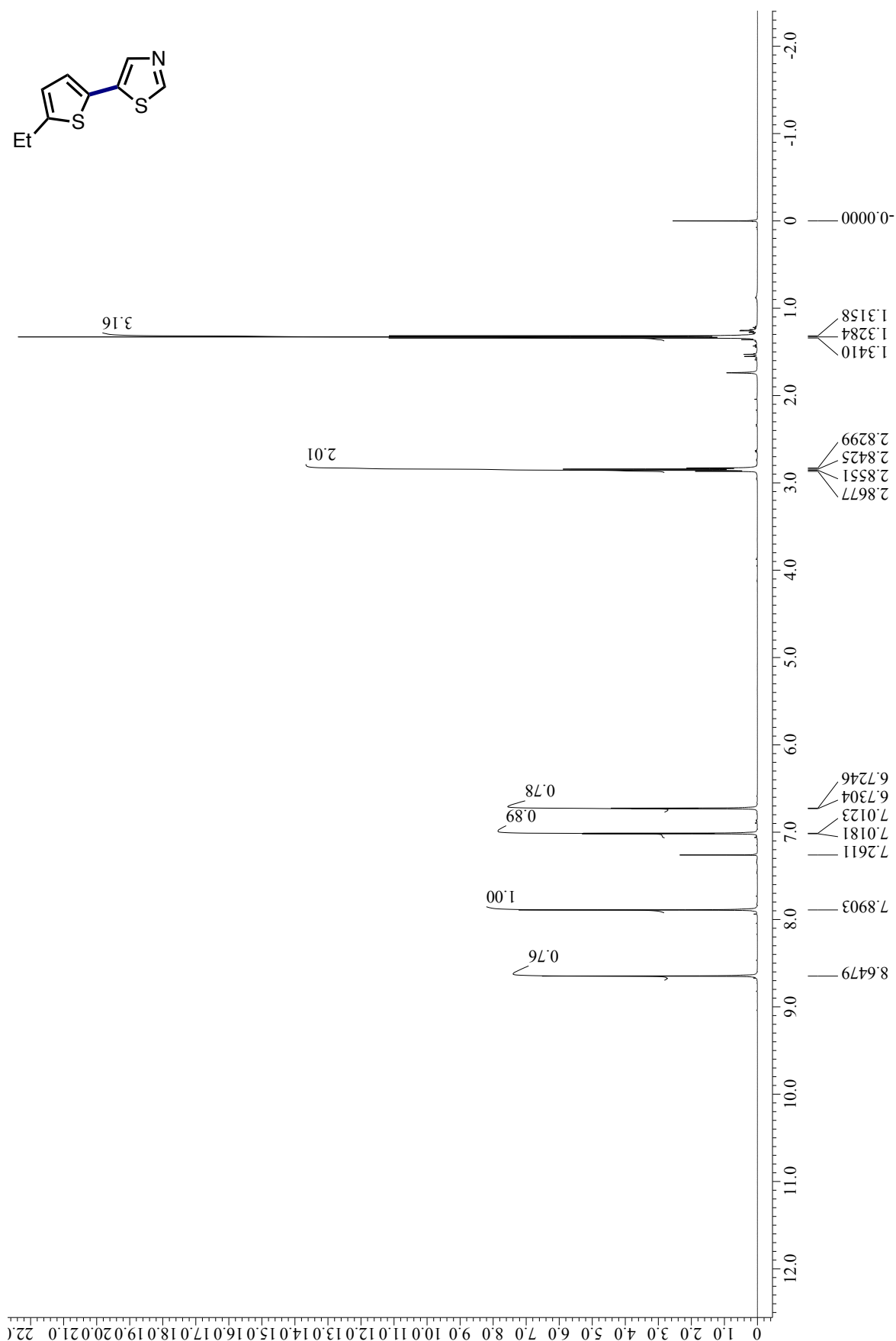
<sup>13</sup>C NMR (150 MHz, CDCl<sub>3</sub>) of 4q



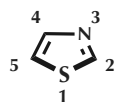
**Supporting Information (Tani, Uehara, Yamaguchi, Itami)**  
**Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings**



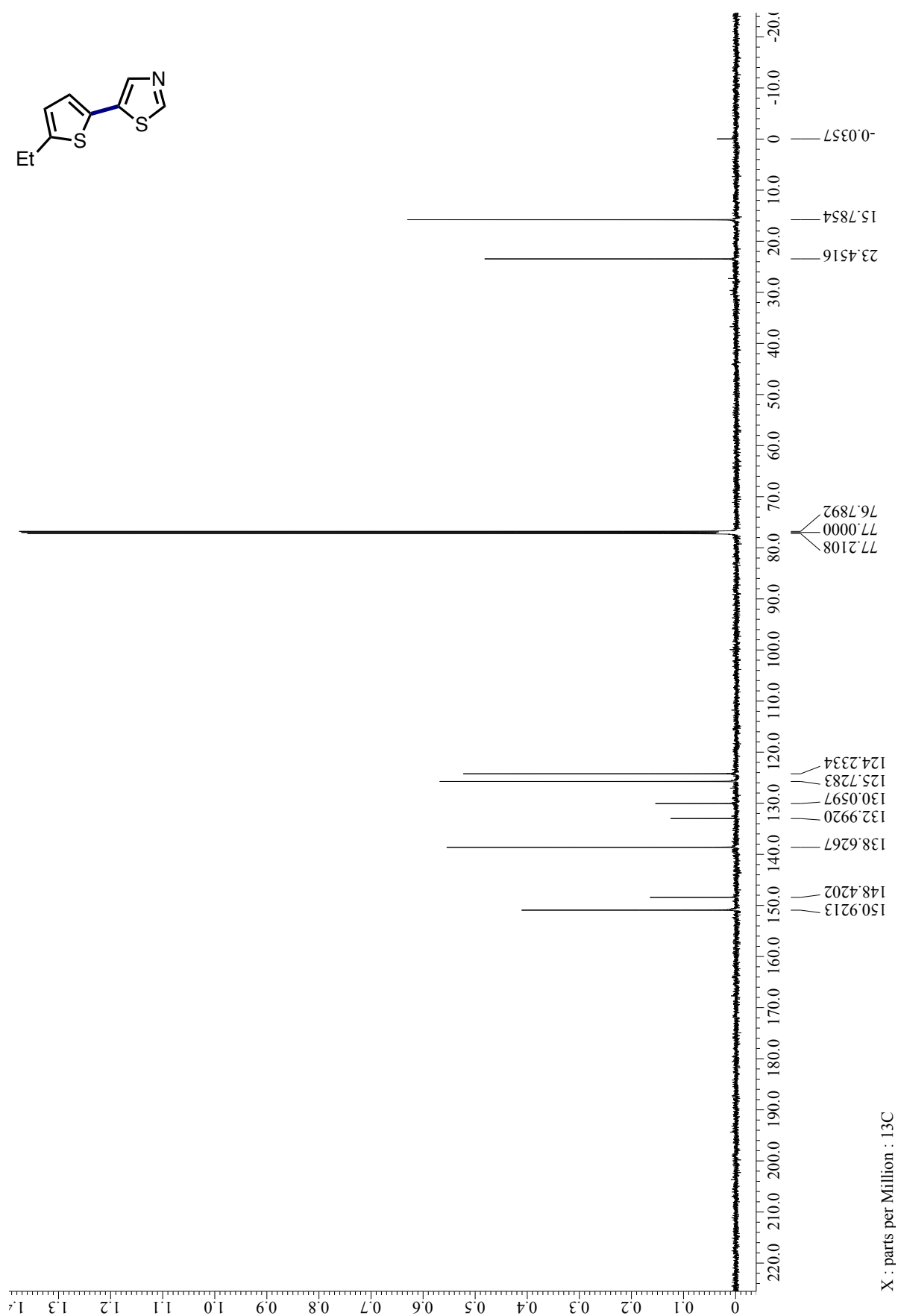
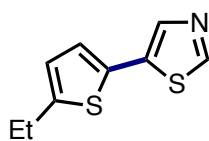
**<sup>1</sup>H NMR (600 MHz, CDCl<sub>3</sub>) of 4s**



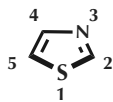
**Supporting Information (Tani, Uehara, Yamaguchi, Itami)**  
**Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings**



$^{13}\text{C}$  NMR (150 MHz,  $\text{CDCl}_3$ ) of **4s**

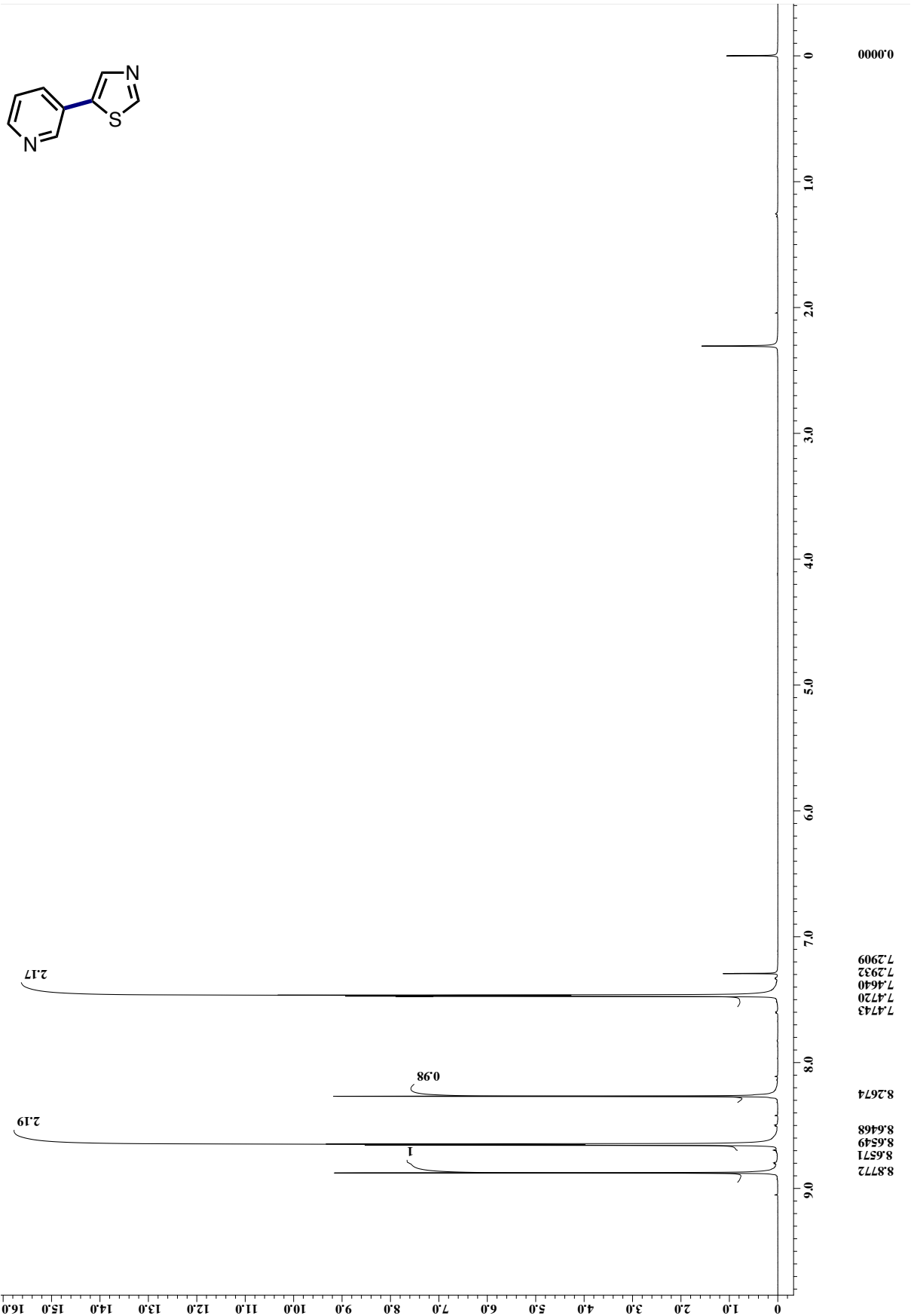




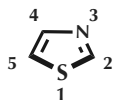


Supporting Information (Tani, Uehara, Yamaguchi, Itami)  
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

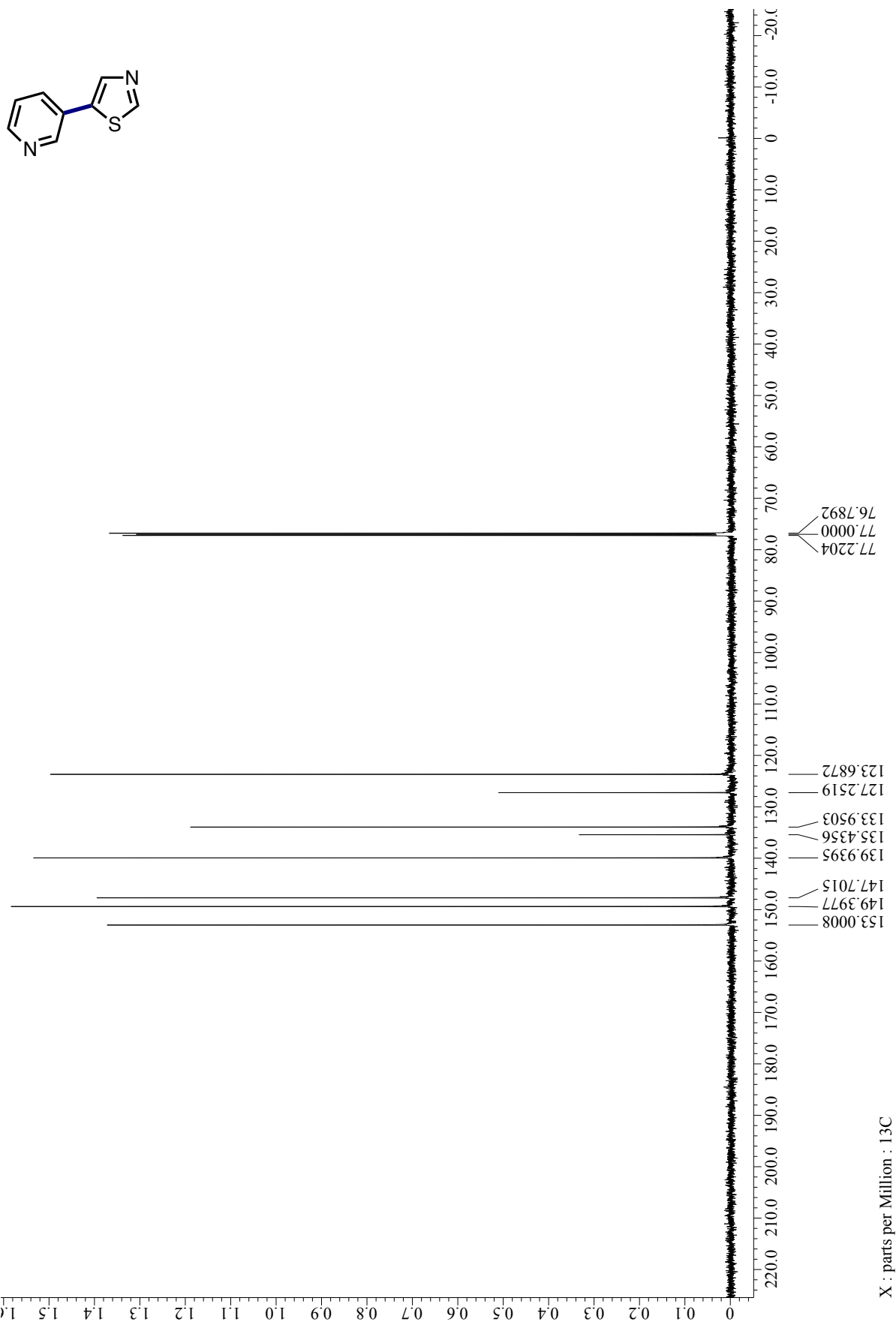
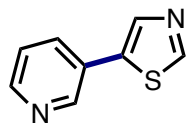
<sup>1</sup>H NMR (600 MHz, CDCl<sub>3</sub>) of 4t



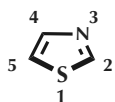
Supporting Information (Tani, Uehara, Yamaguchi, Itami)  
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings



<sup>13</sup>C NMR (150 MHz, CDCl<sub>3</sub>) of 4t

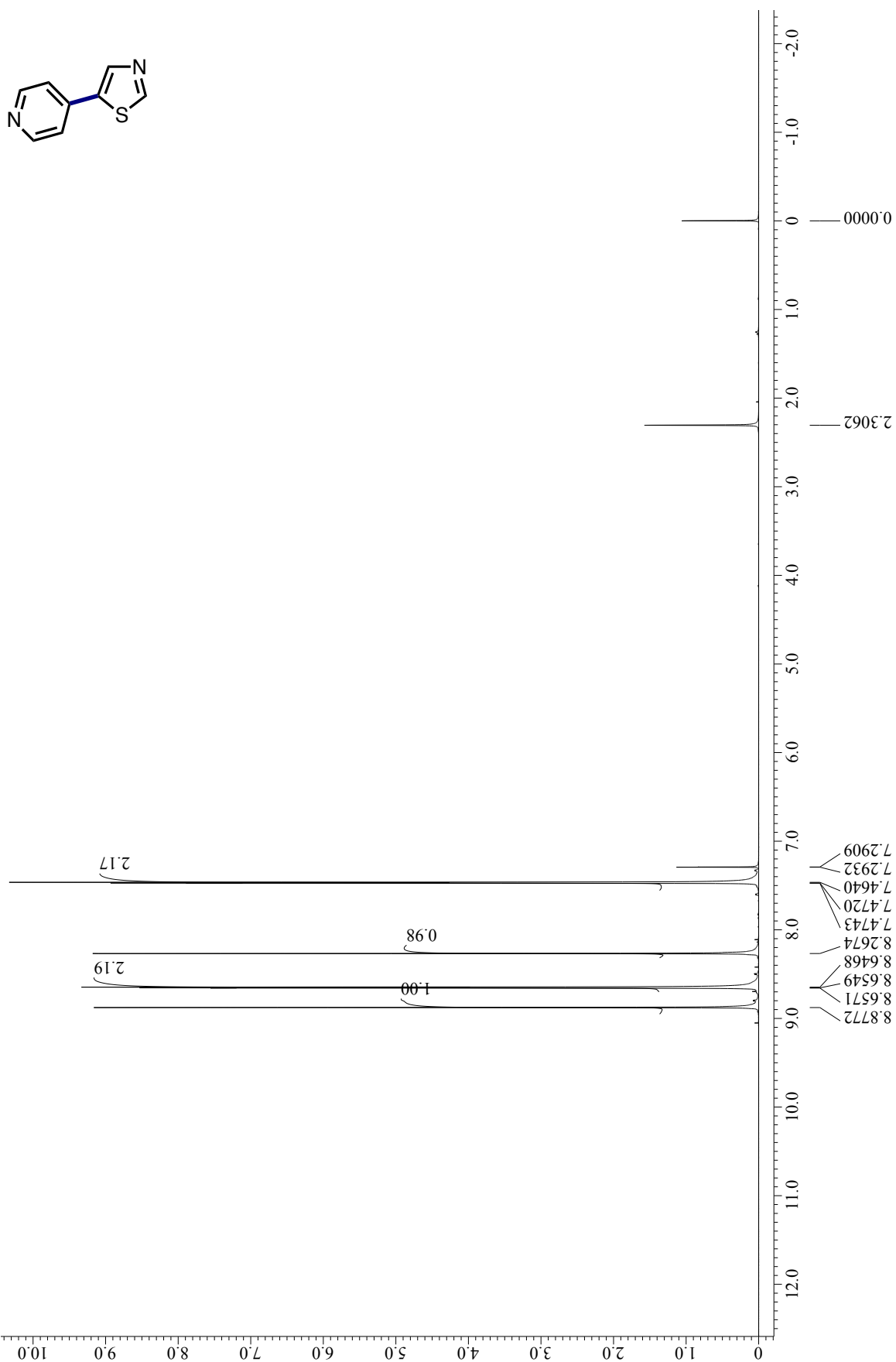


X : parts per Million : 13C

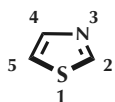


**Supporting Information (Tani, Uehara, Yamaguchi, Itami)**  
**Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings**

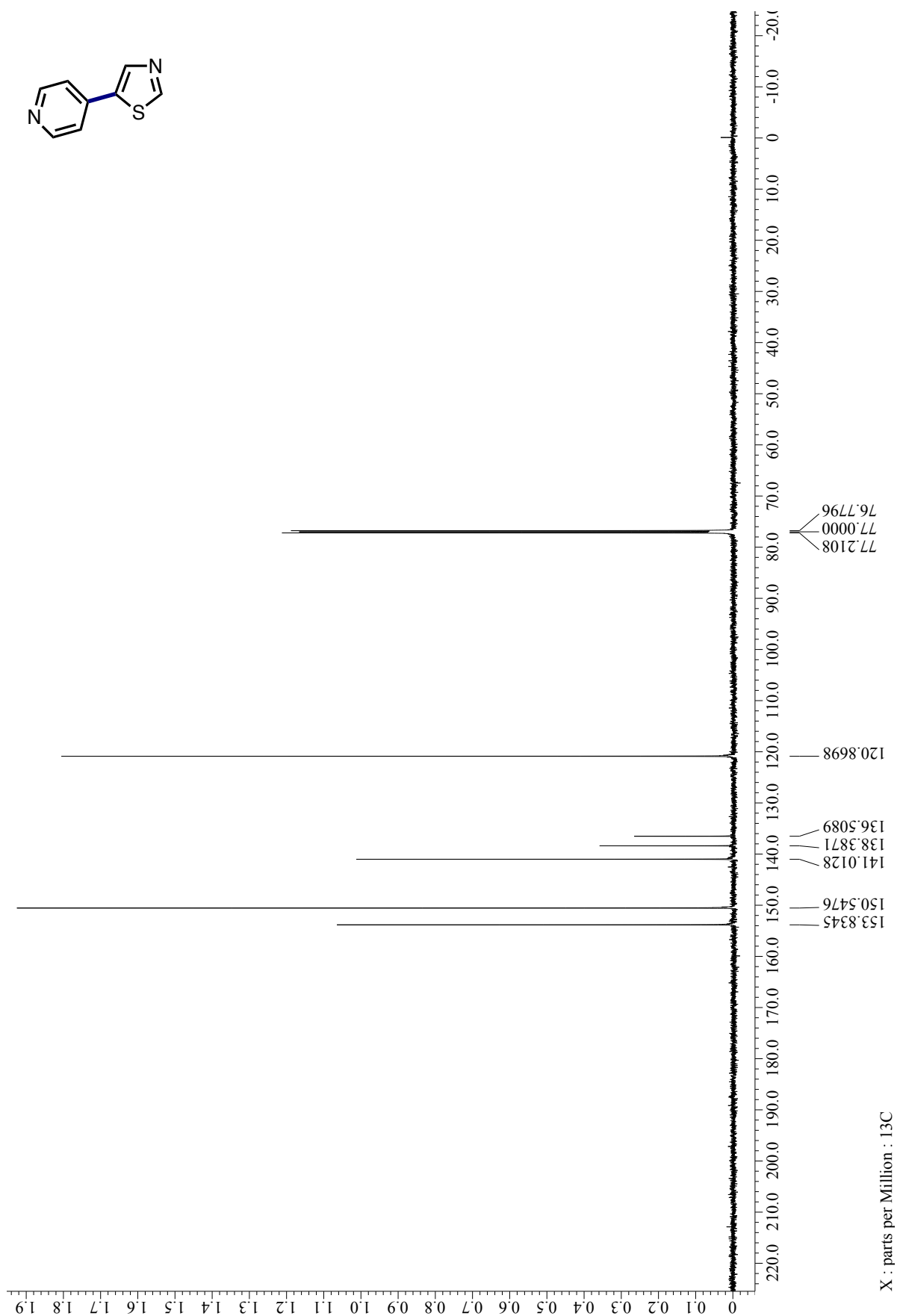
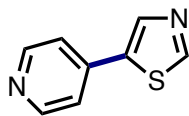
<sup>1</sup>H NMR (600 MHz, CDCl<sub>3</sub>) of **4u**



**Supporting Information (Tani, Uehara, Yamaguchi, Itami)**  
**Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings**



<sup>13</sup>C NMR (150 MHz, CDCl<sub>3</sub>) of 4u



X : parts per Million : 13C