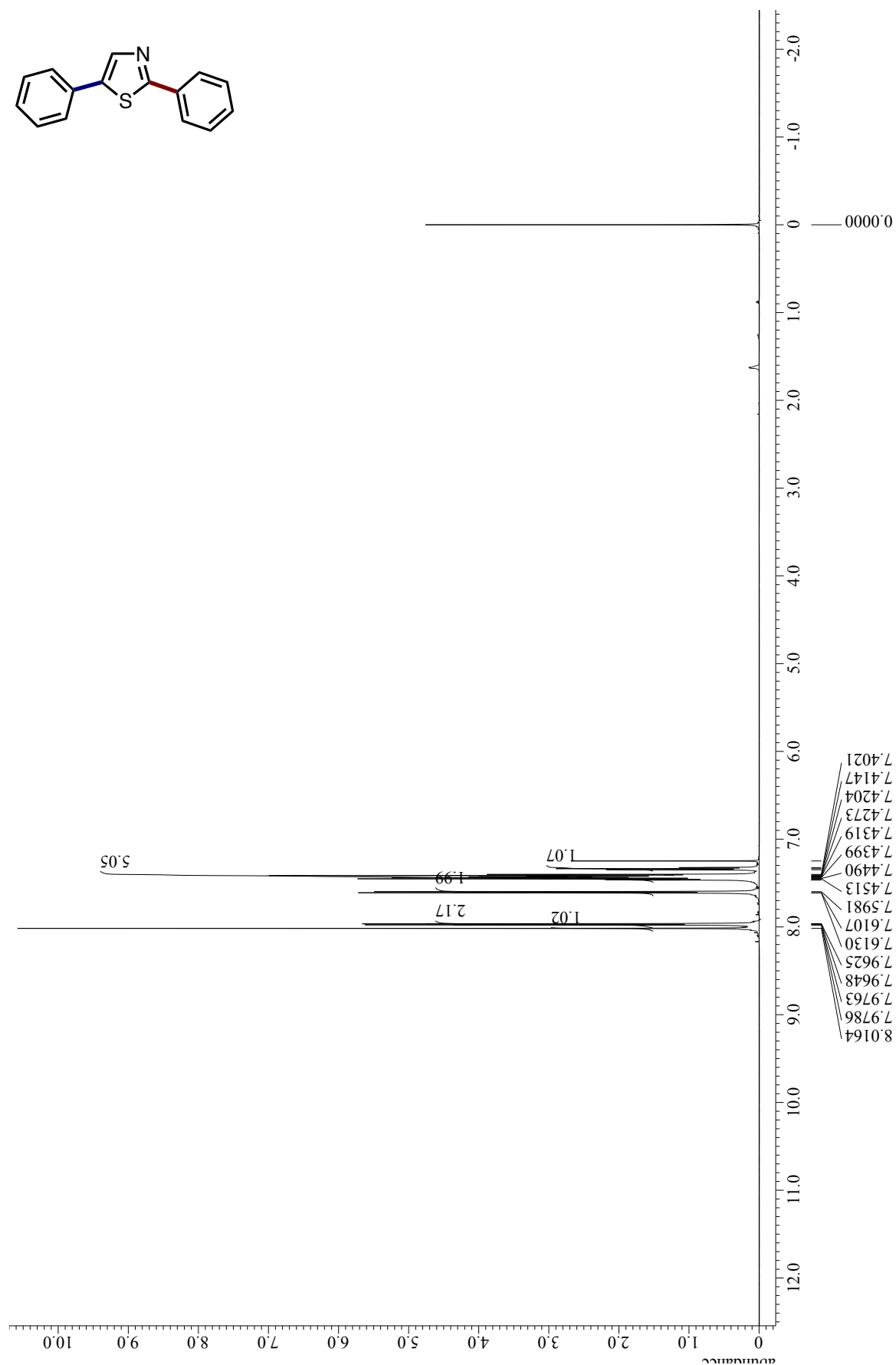
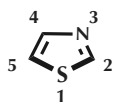


Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

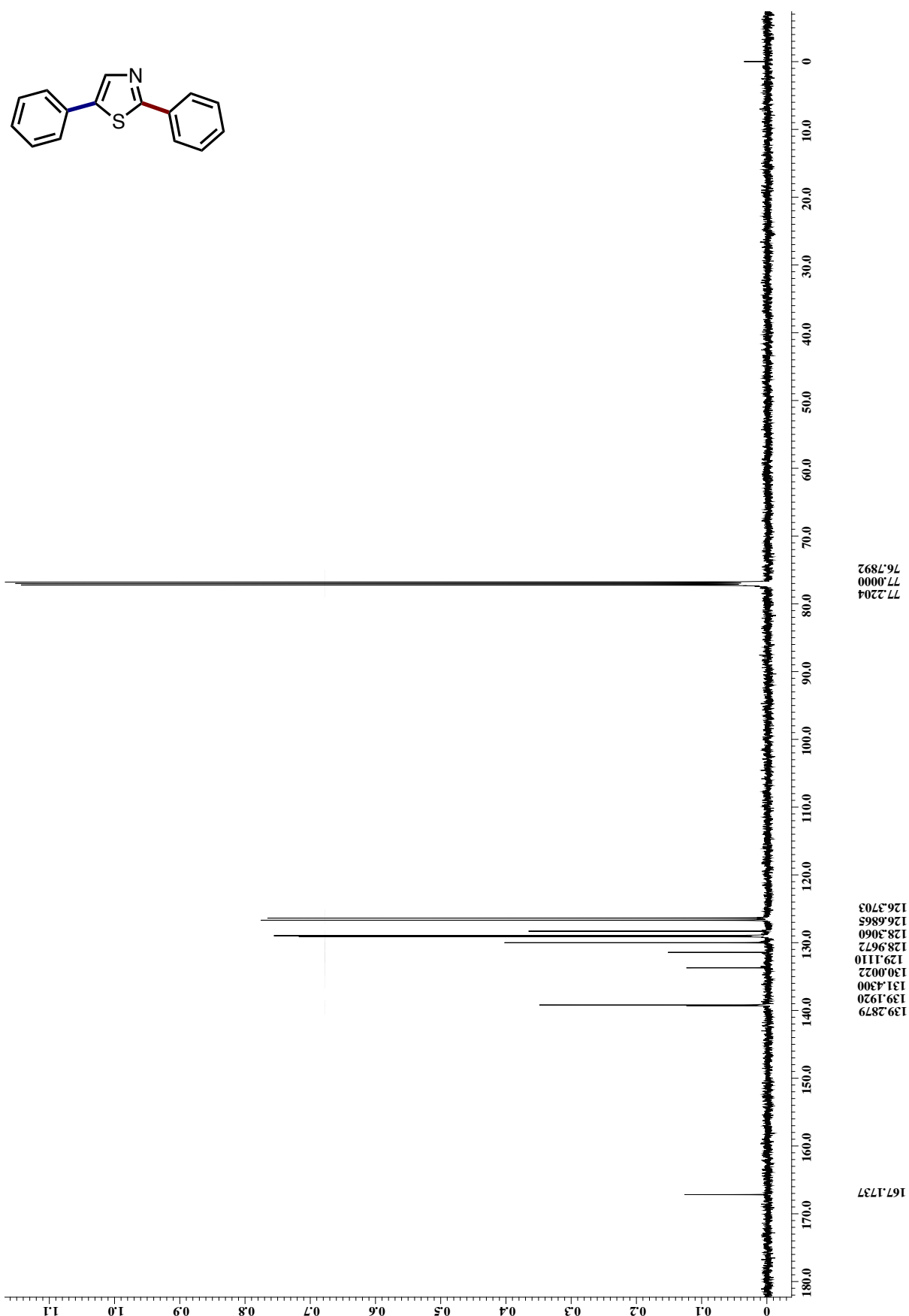
¹H NMR (600 MHz, CDCl₃) of 9aa

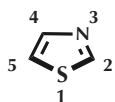


Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings



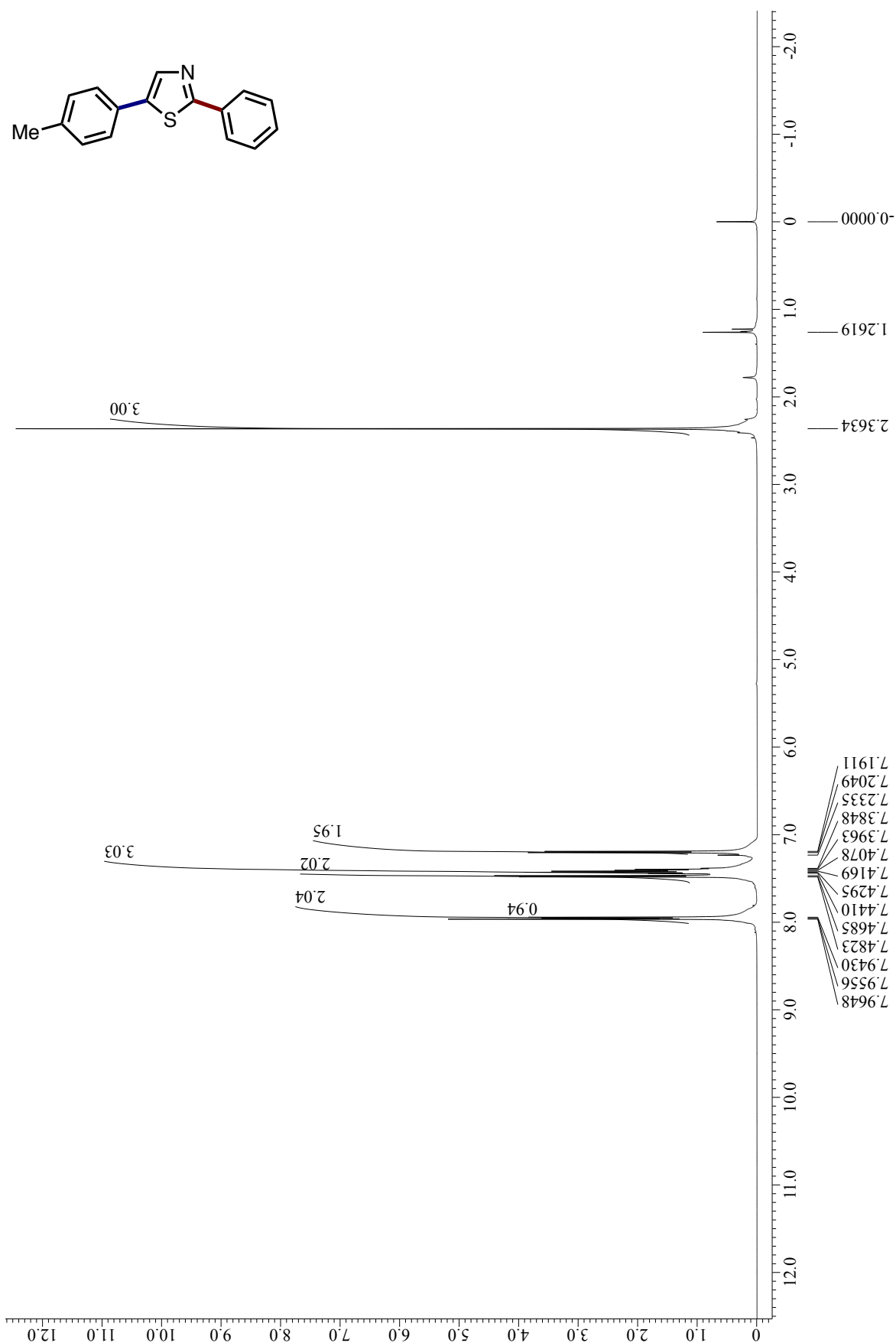
¹³CNMR (150 MHz, CDCl₃) of 9aa



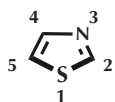


Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

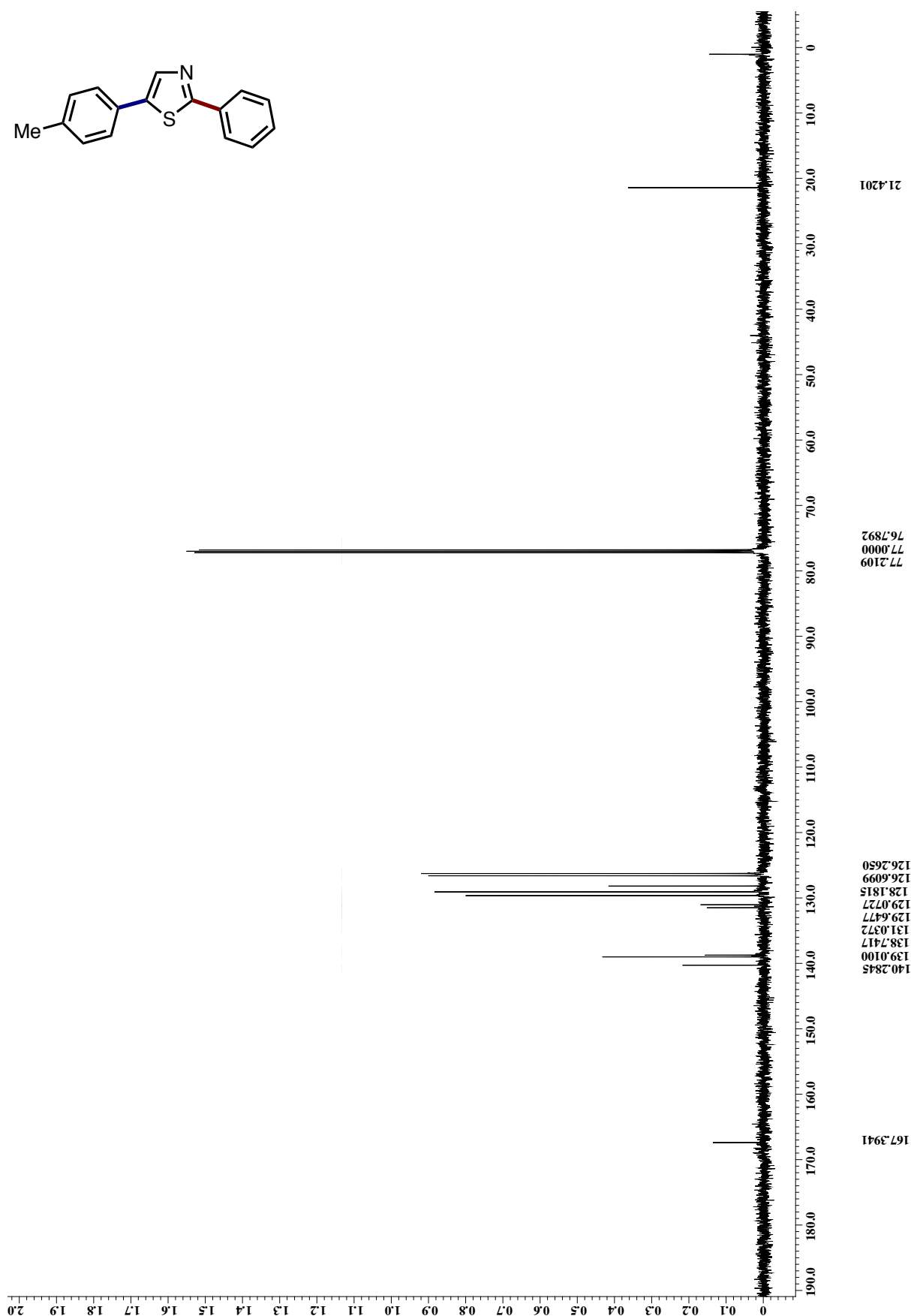
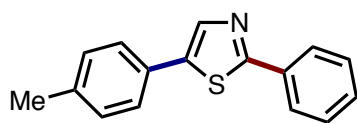
¹H NMR (600 MHz, CDCl₃) of 9ab

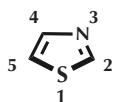


Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings



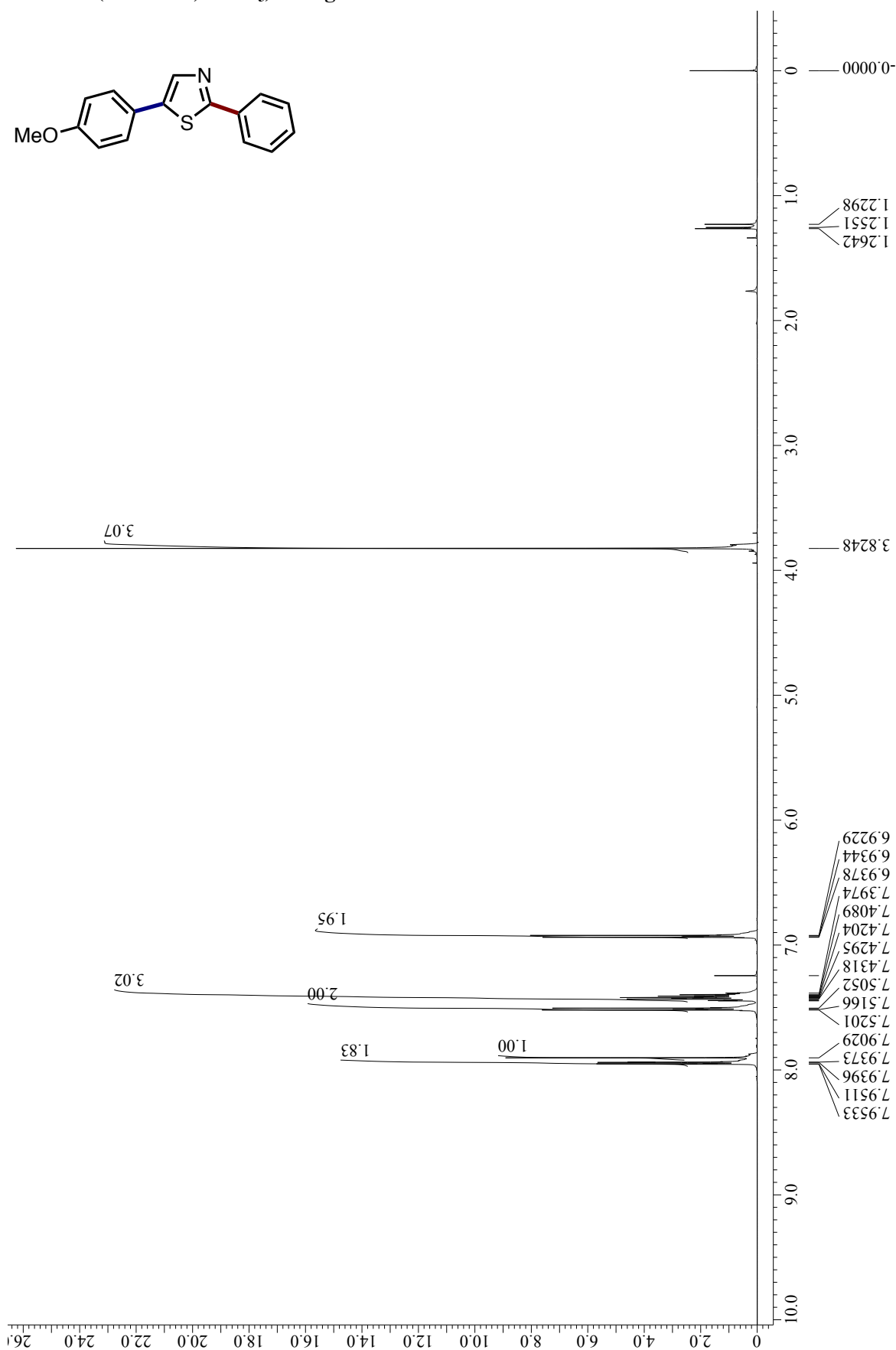
^{13}C NMR (150 MHz, CDCl_3) of 9ab



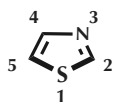


Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

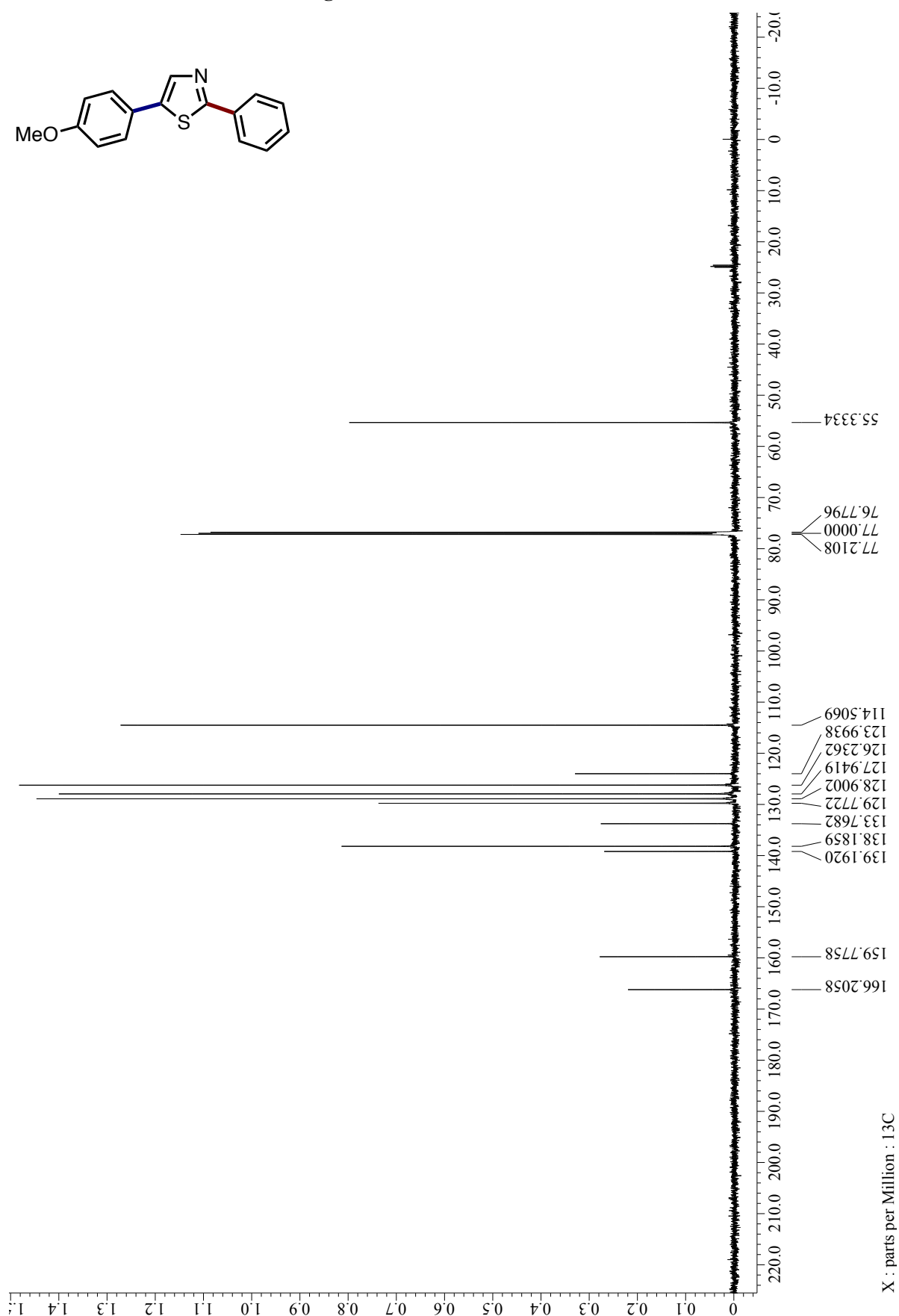
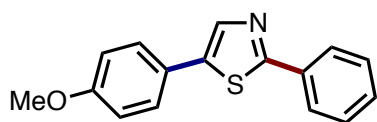
^1H NMR (600 MHz, CDCl_3) of **9ag**



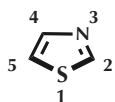
Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings



^{13}C NMR (150 MHz, CDCl_3) of **9ag**

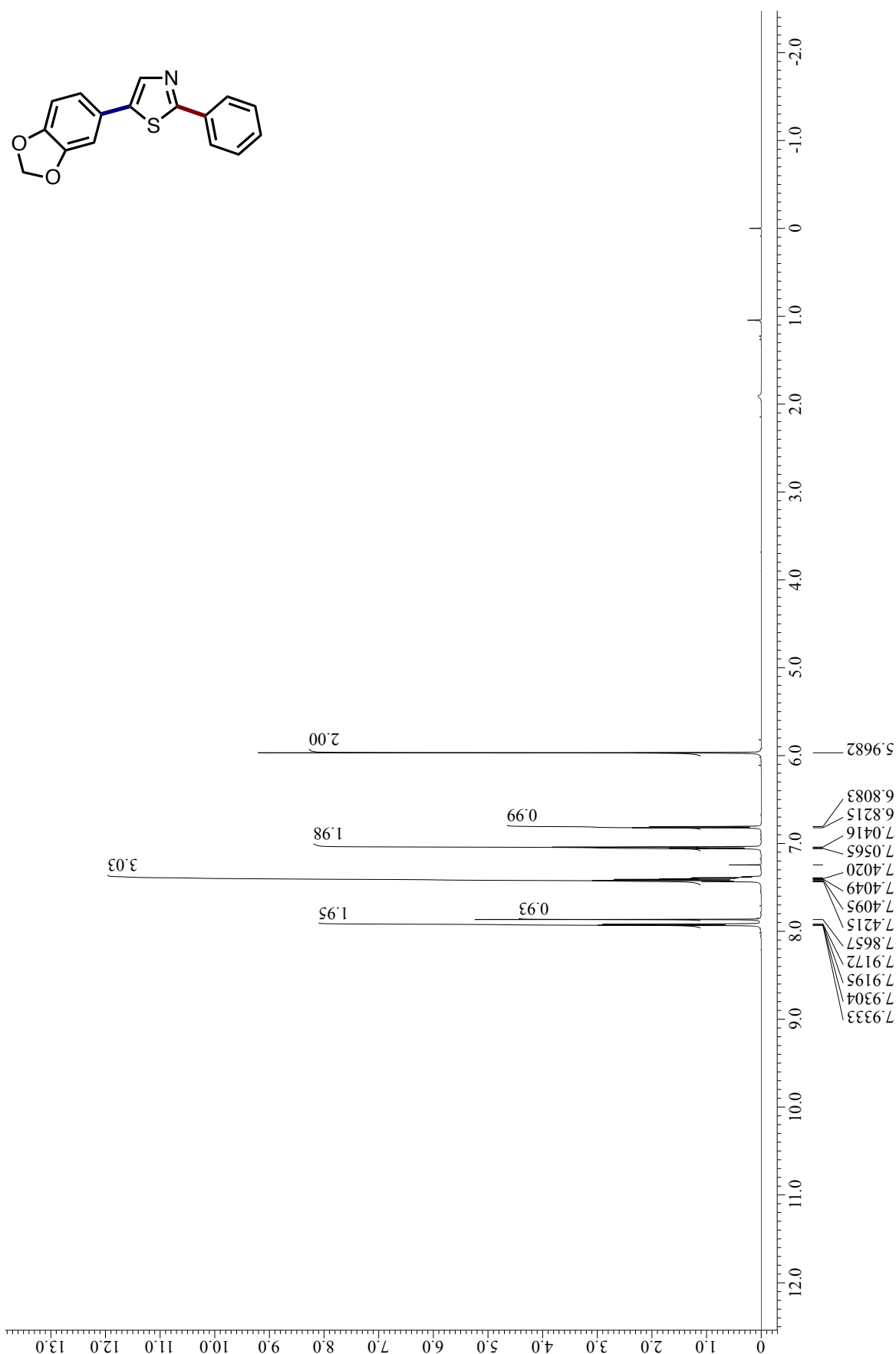


X : parts per Million : ^{13}C

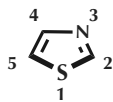


Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

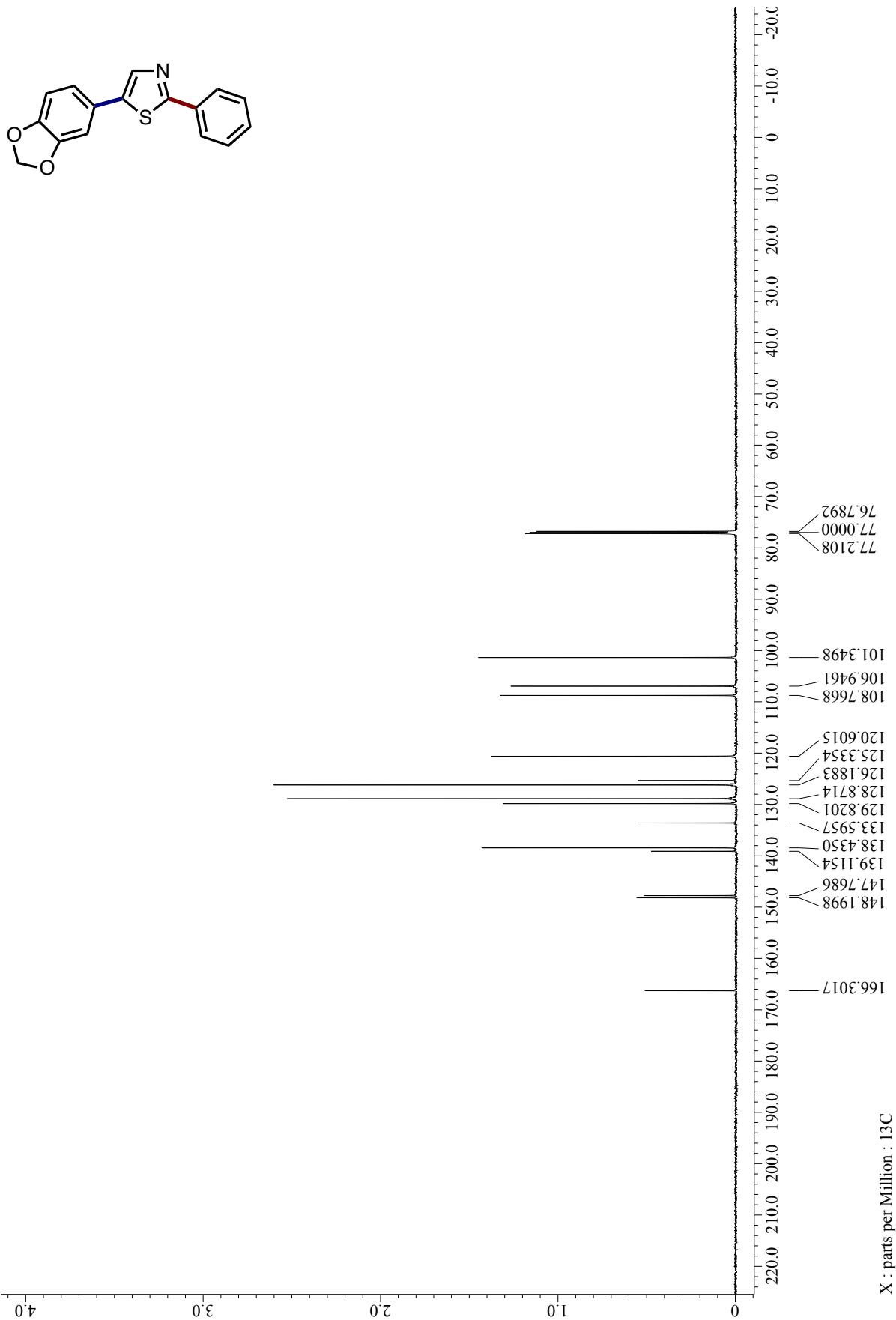
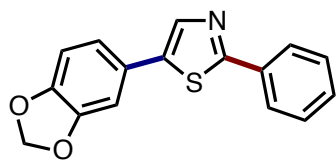
¹H NMR (600 MHz, CDCl₃) of 9ah



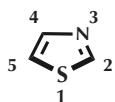
Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings



¹³C NMR (150 MHz, CDCl₃) of 9ah

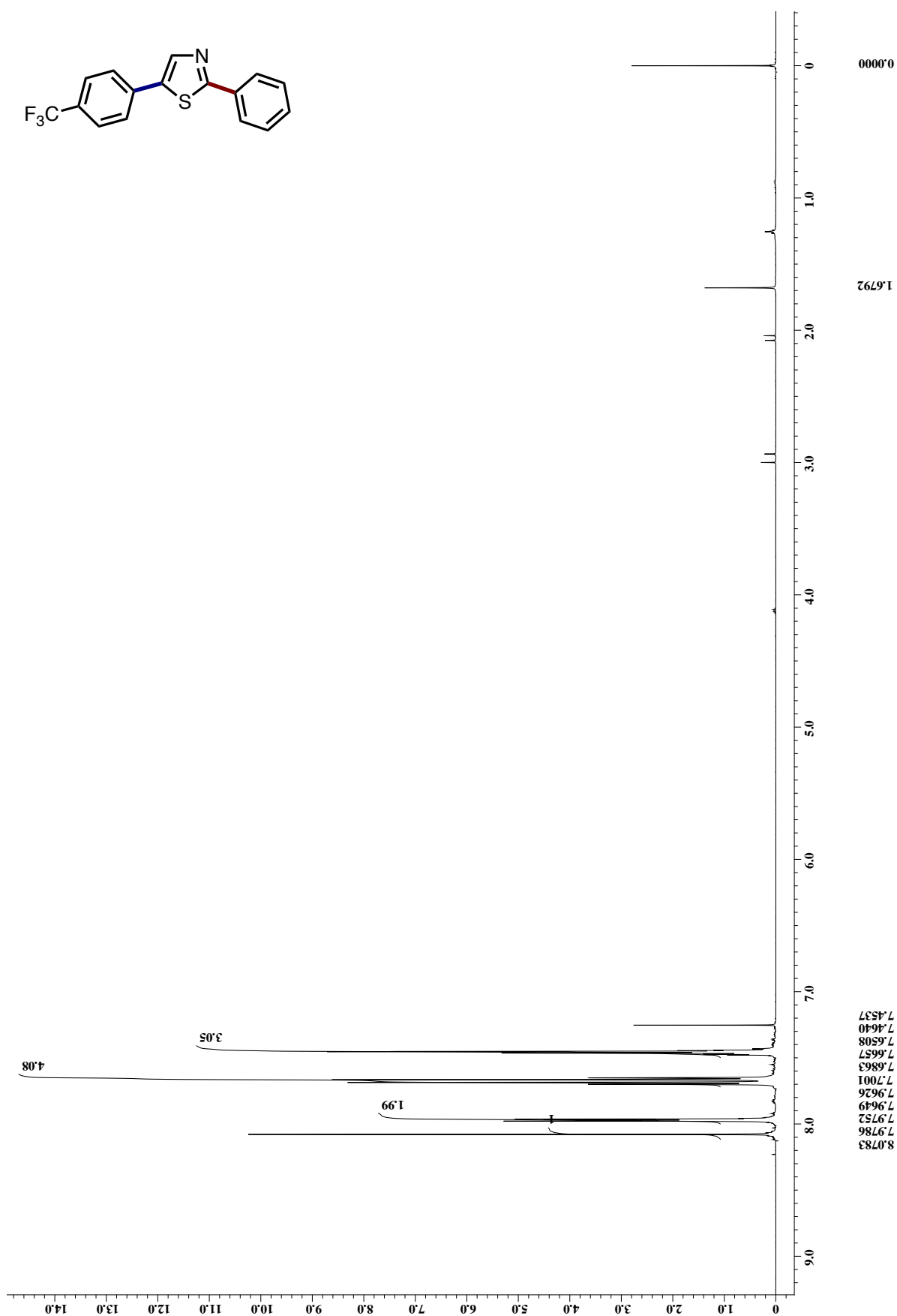
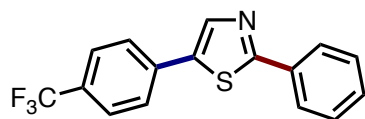


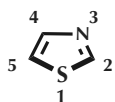
X : parts per Million : 13C



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

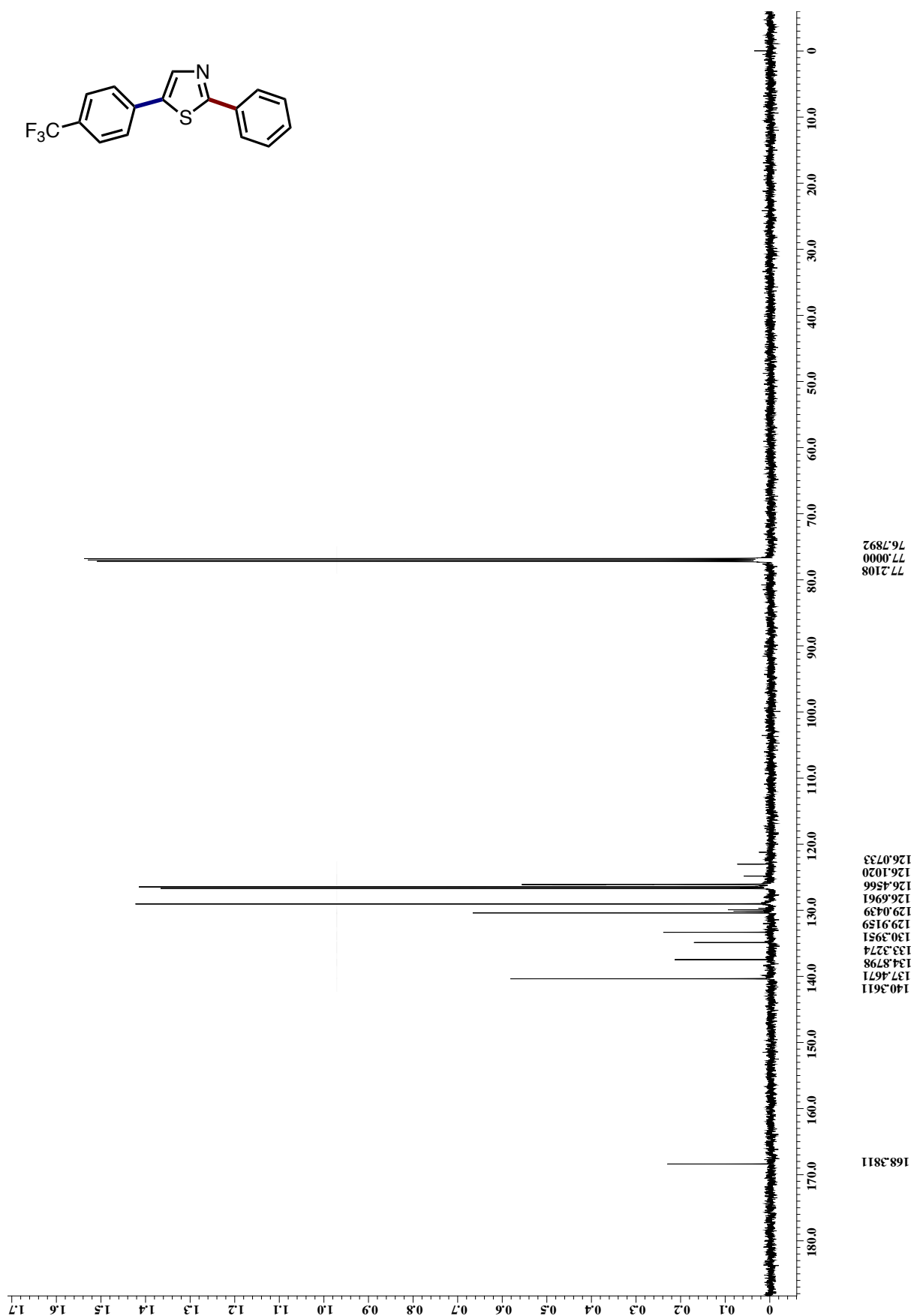
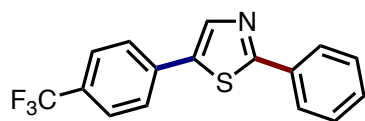
¹H NMR (600 MHz, CDCl₃) of 9ak

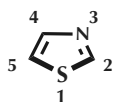




Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

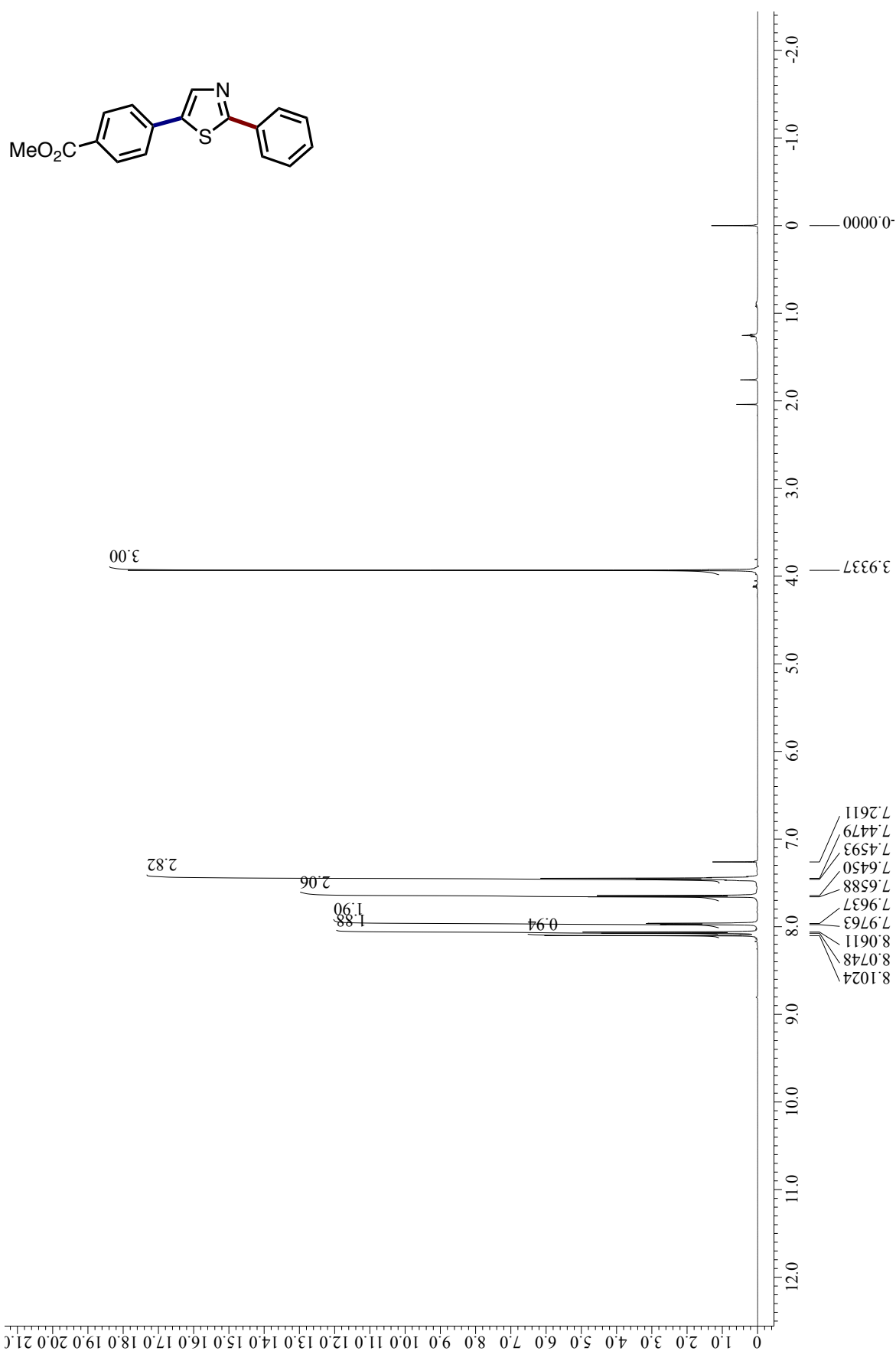
^{13}C NMR (150 MHz, CDCl_3) of 9ak

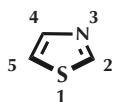




Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

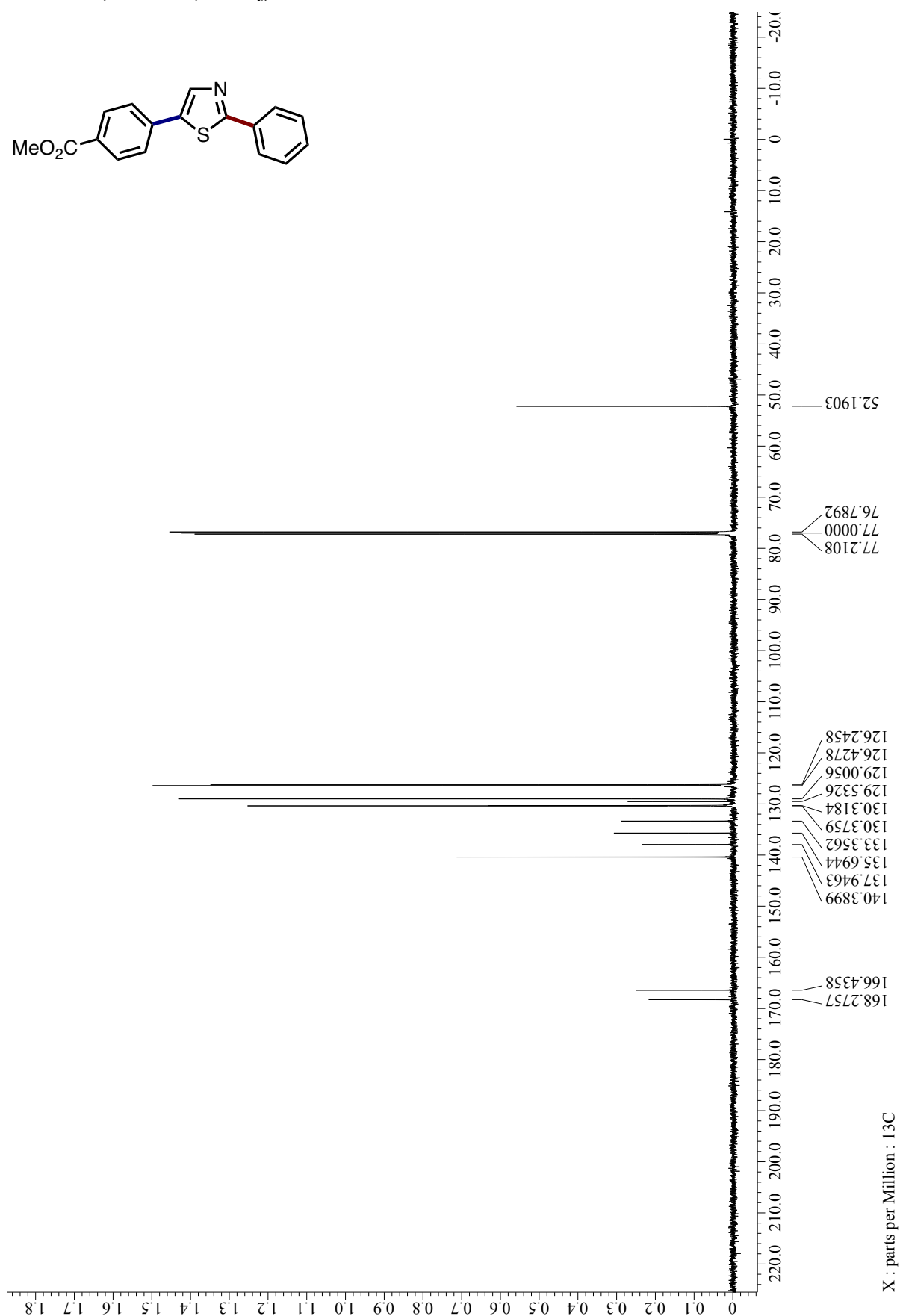
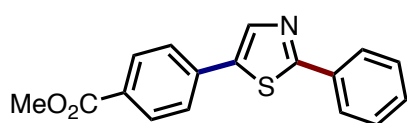
¹H NMR (600 MHz, CDCl₃) of 9an



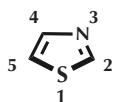


Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

^{13}C NMR (150 MHz, CDCl_3) of **9an**

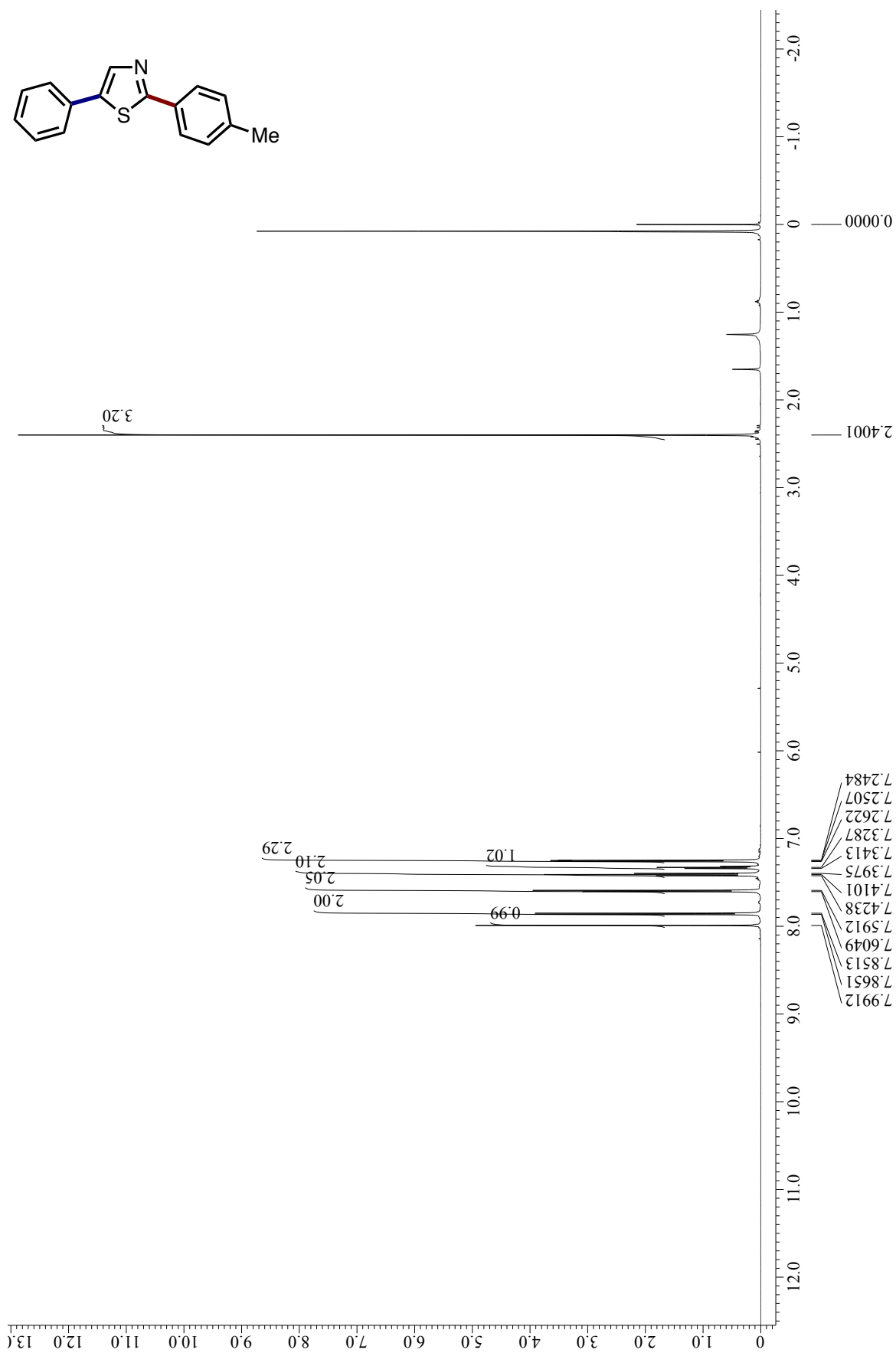


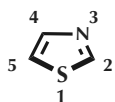
X : parts per Million : ^{13}C



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

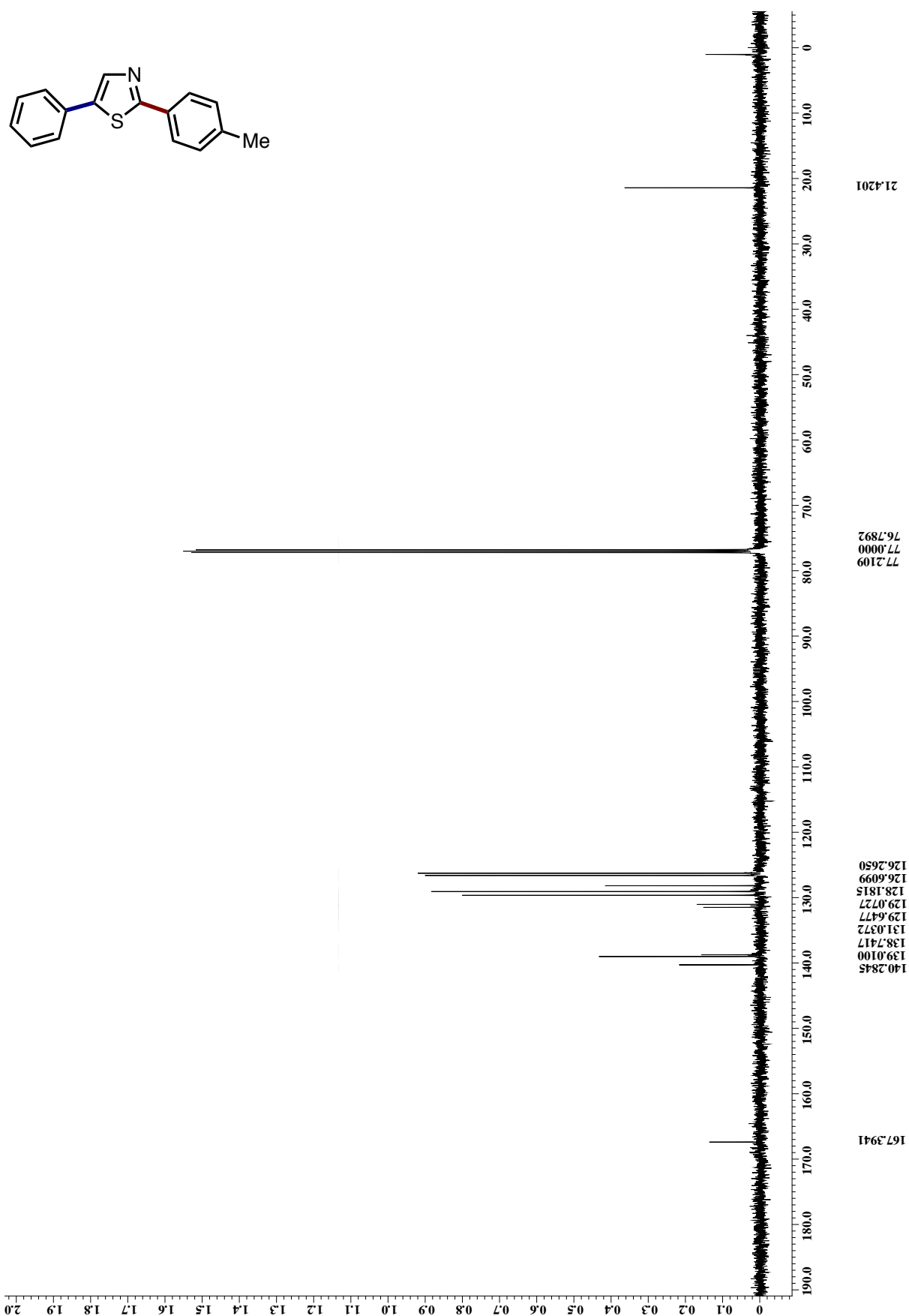
¹H NMR (600 MHz, CDCl₃) of 9ba

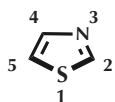




Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

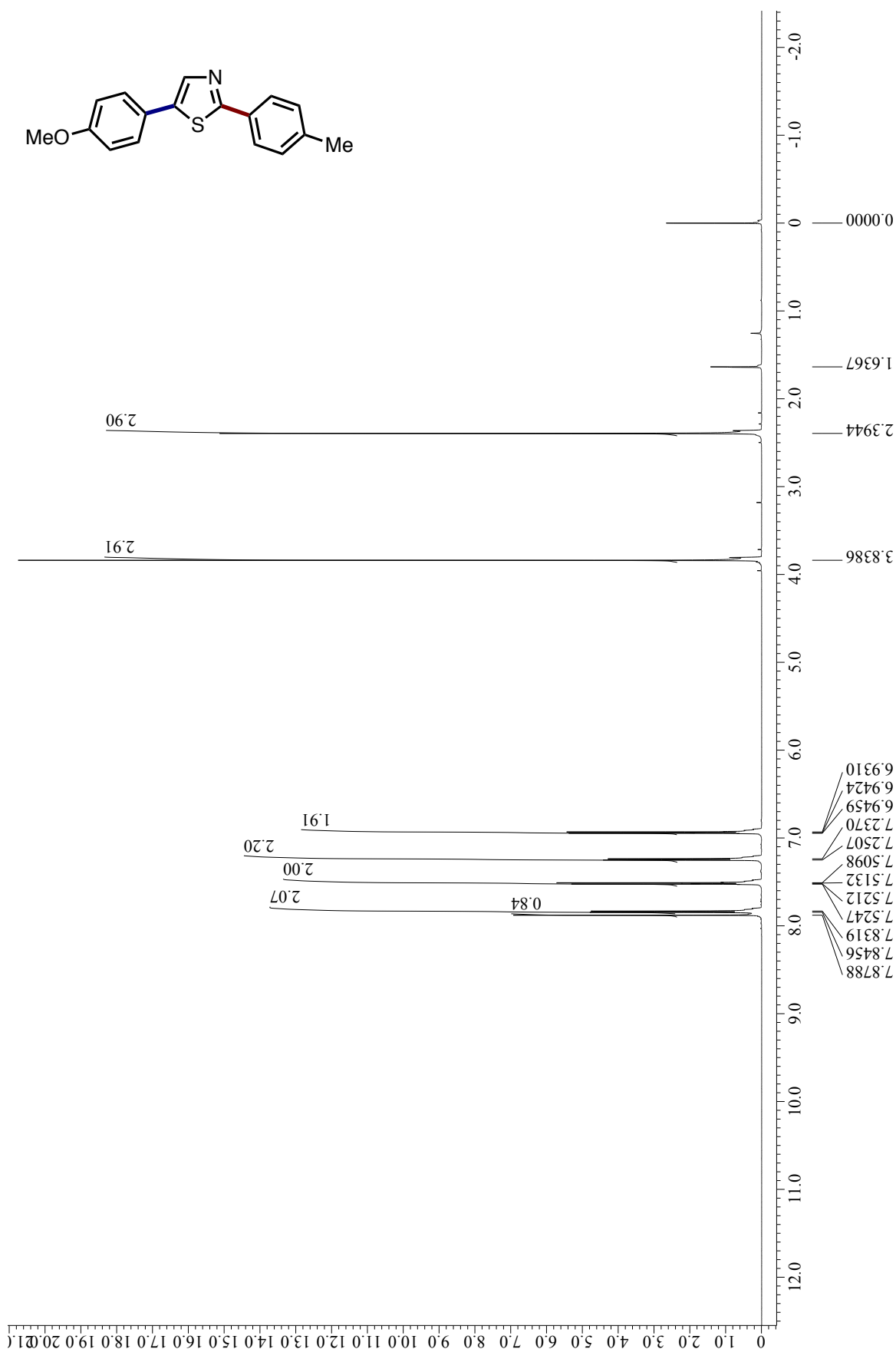
^{13}C NMR (150 MHz, CDCl_3) of 9ba

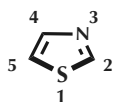




Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

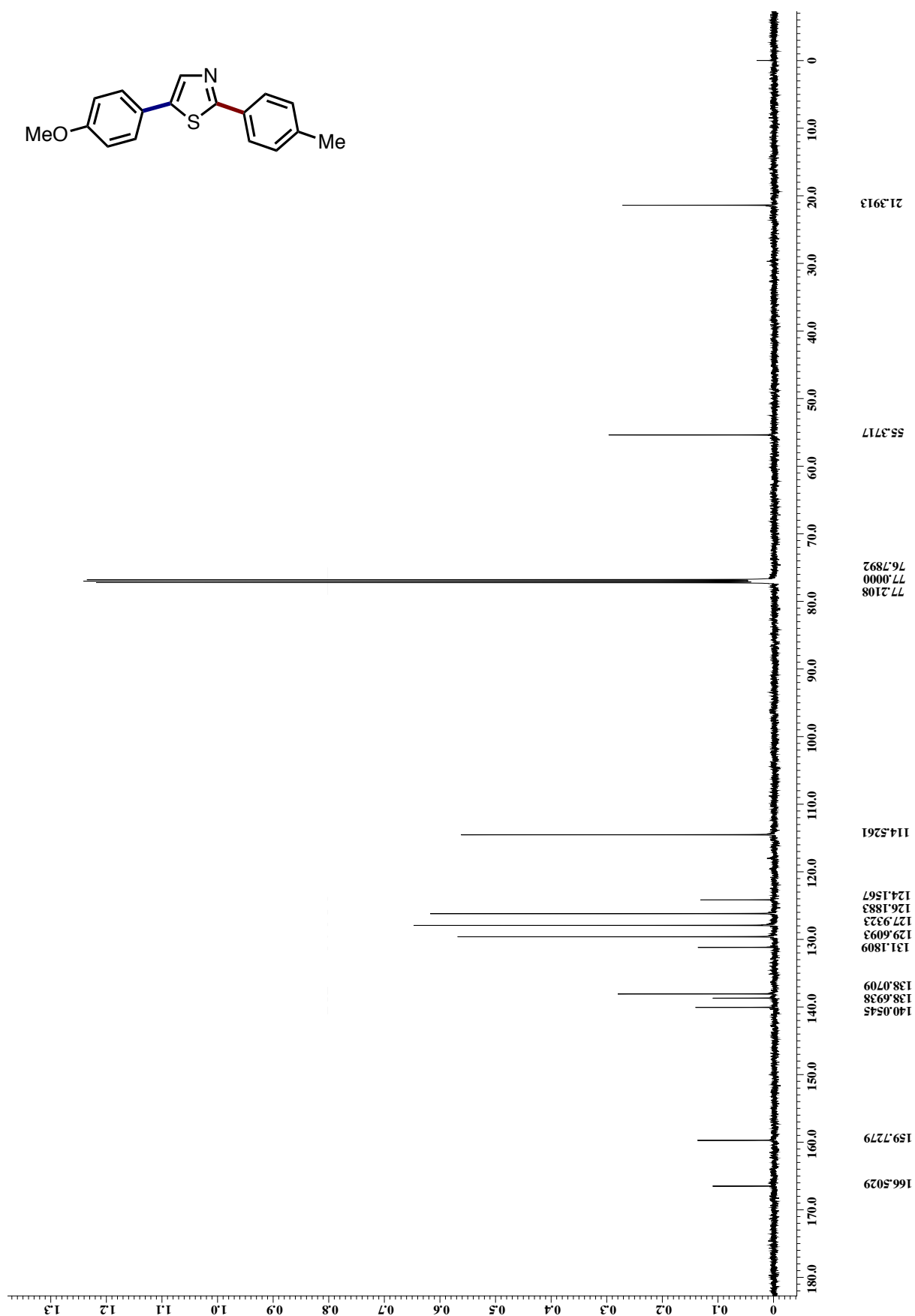
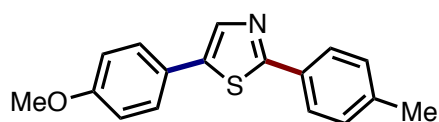
^1H NMR (600 MHz, CDCl_3) of **9bg**

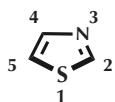




Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

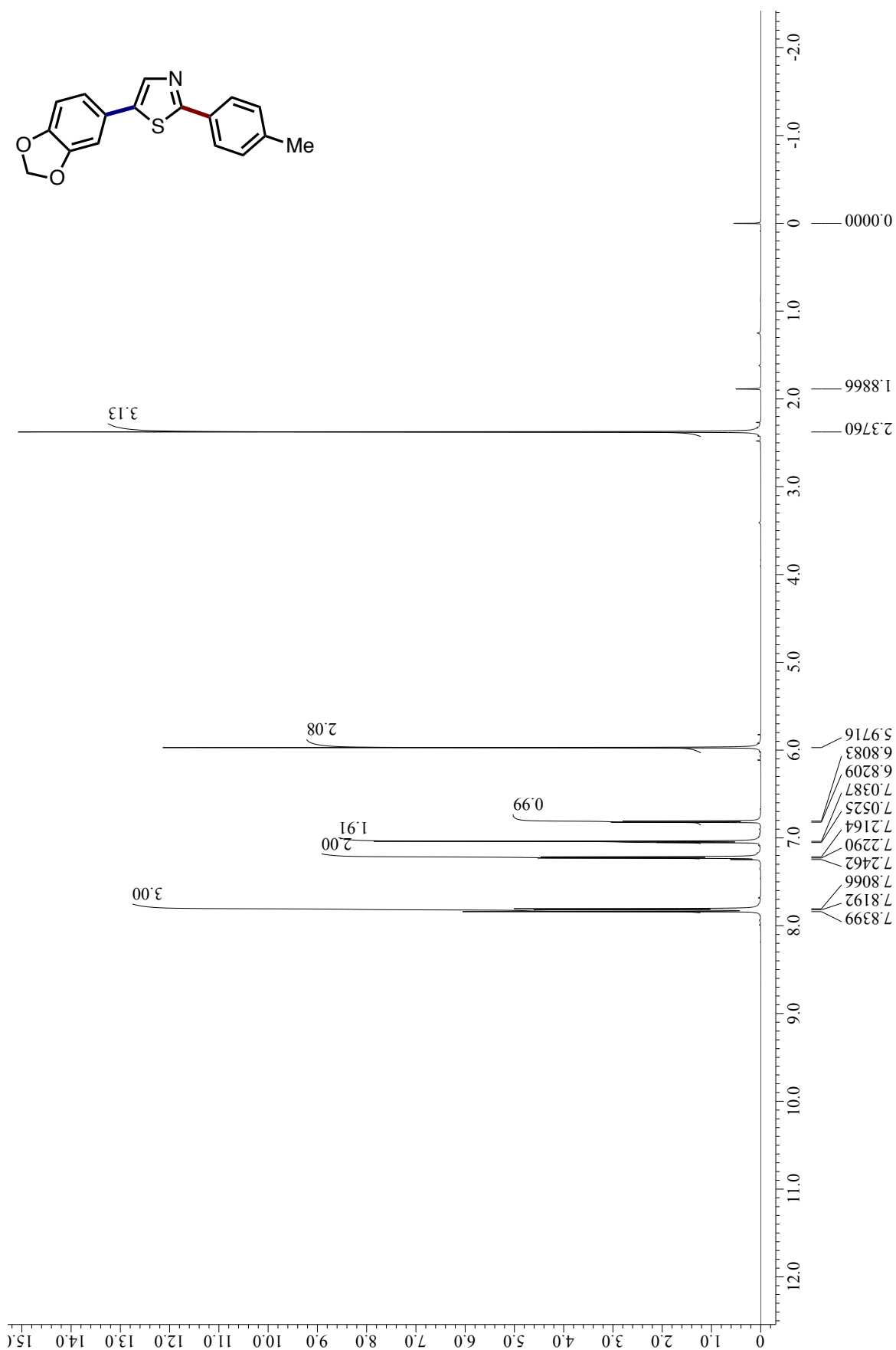
^{13}C NMR (150 MHz, CDCl_3) of **9bg**

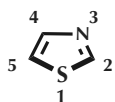




Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

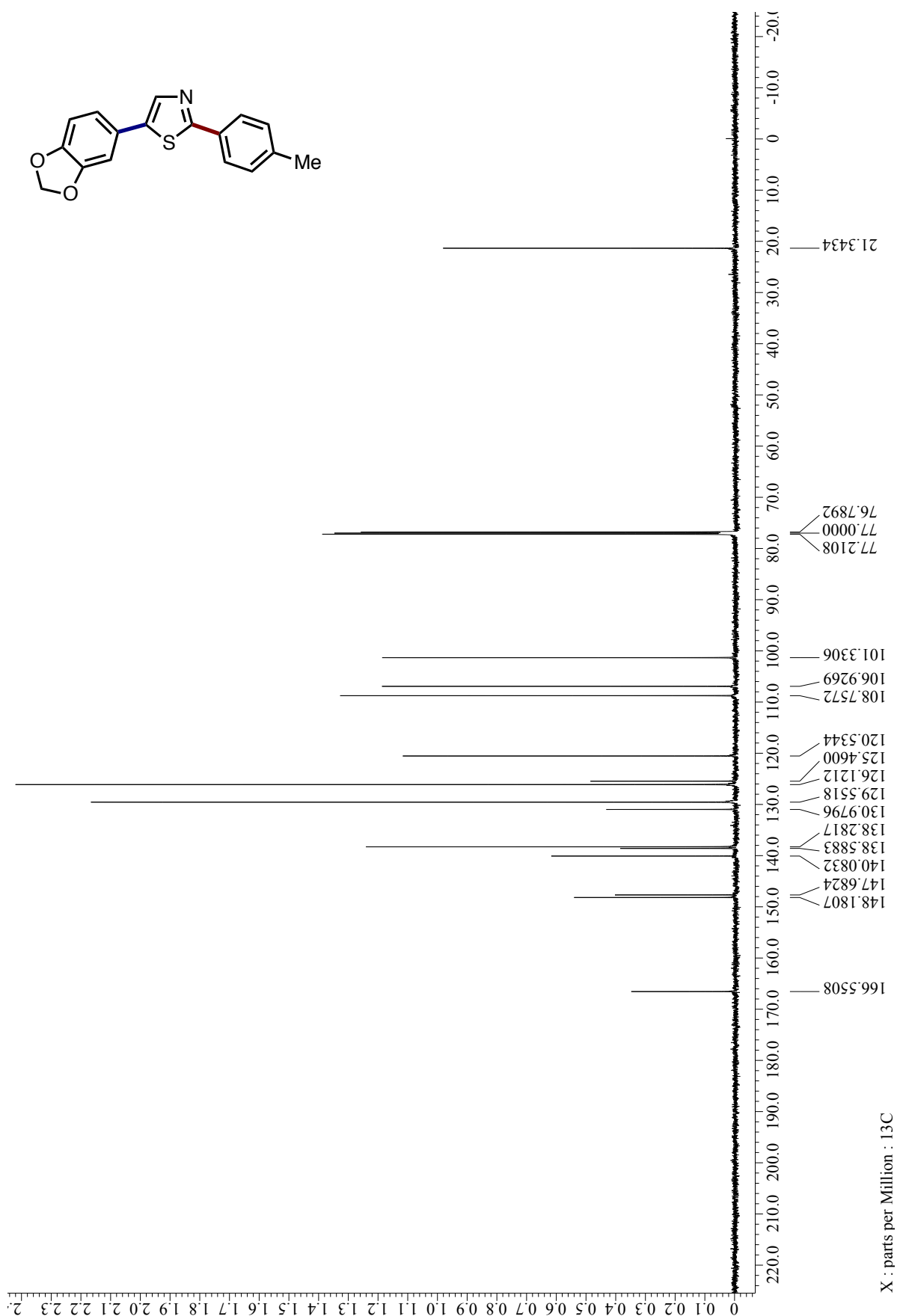
¹H NMR (600 MHz, CDCl₃) of 9bh

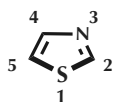




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Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

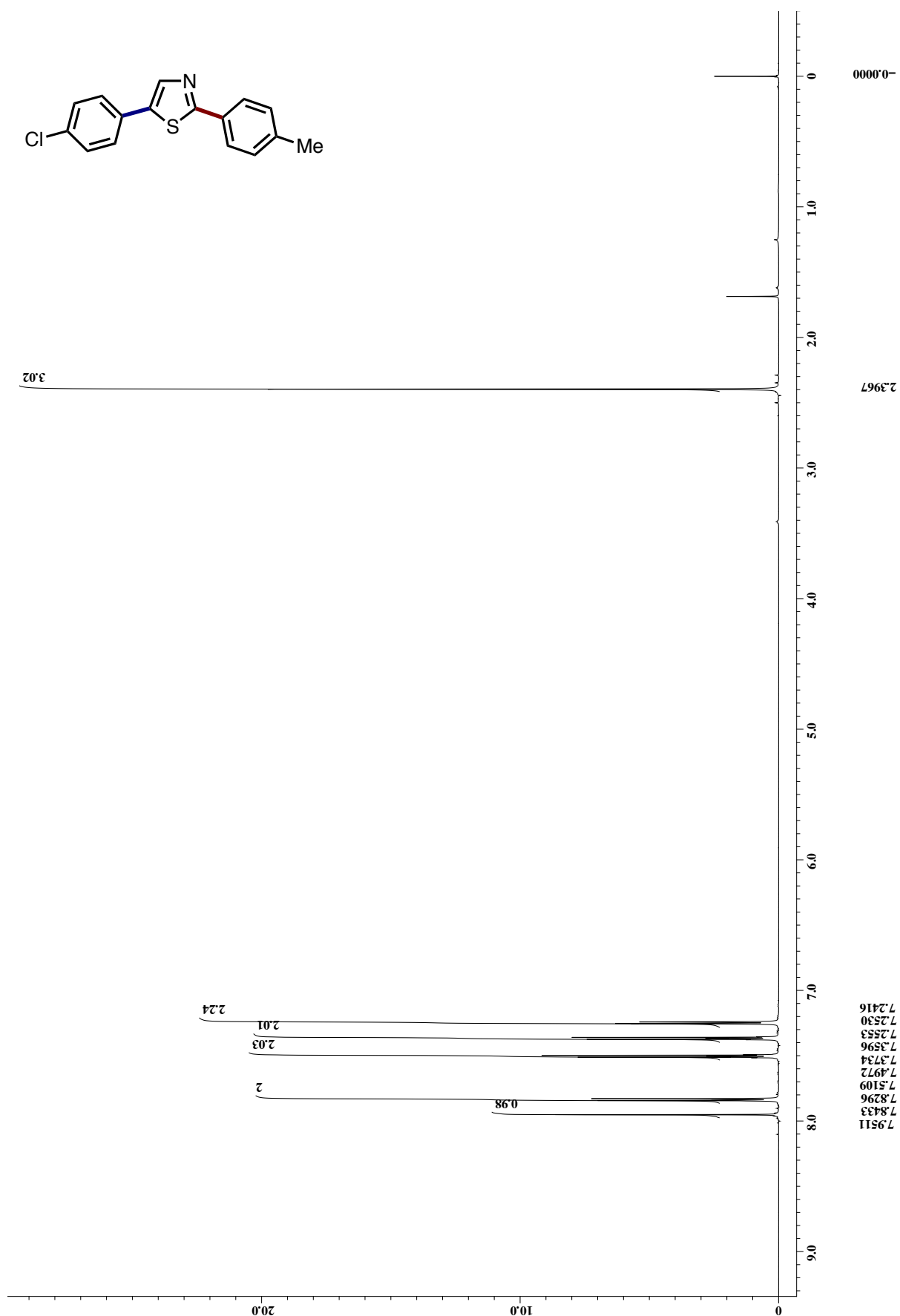
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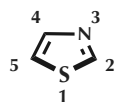


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Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

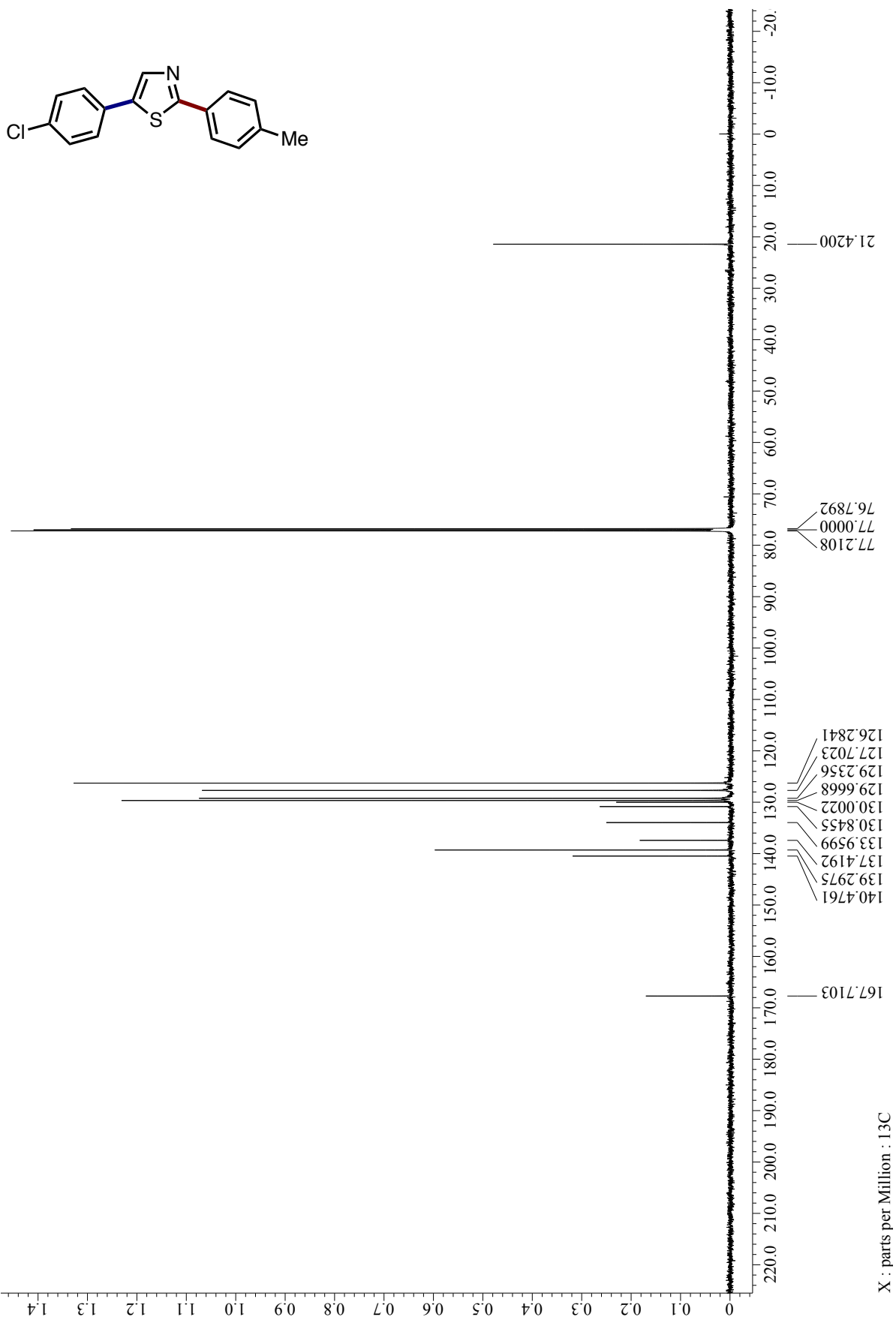
^1H NMR (600 MHz, CDCl_3) of 9bj

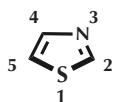


Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings



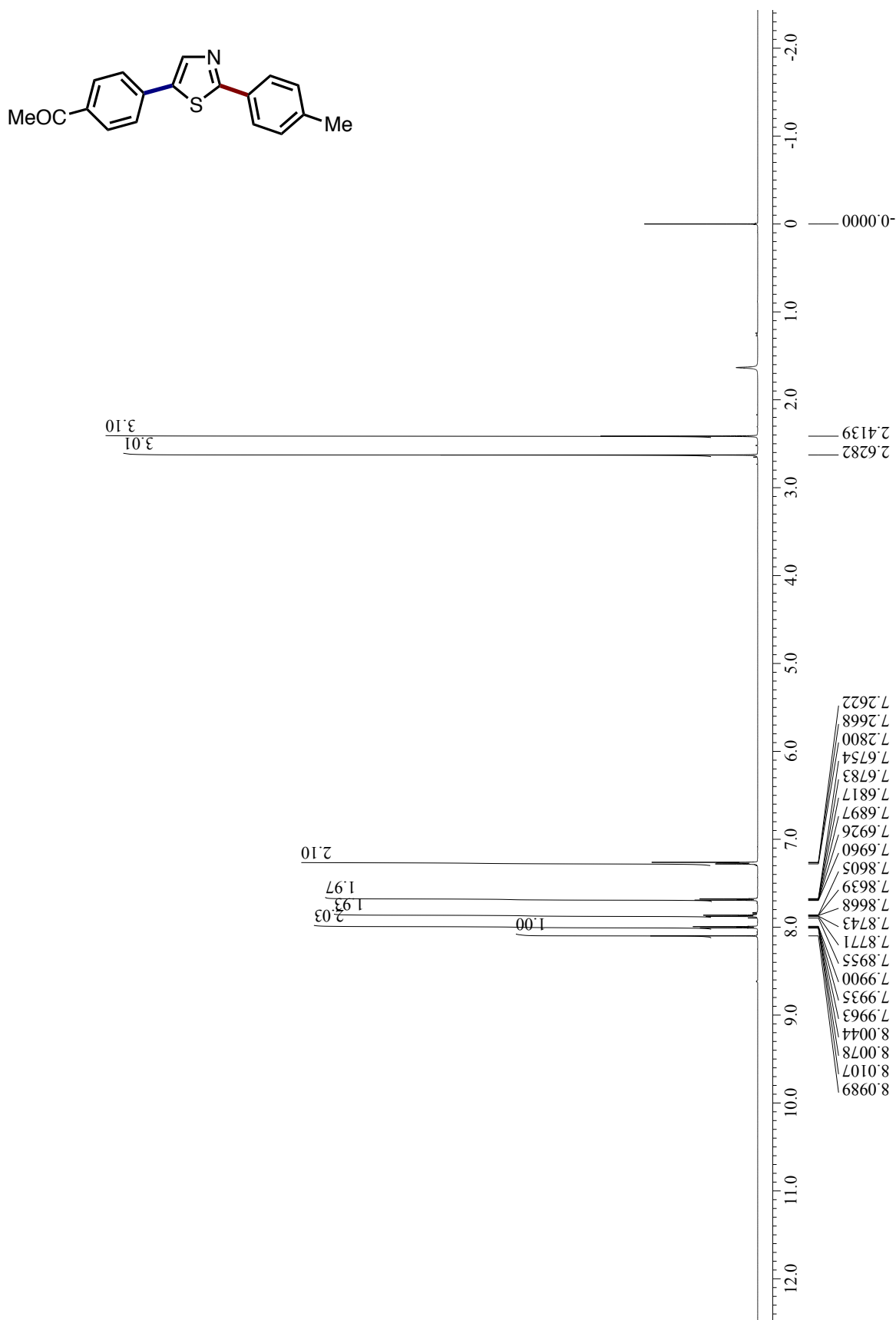
^{13}C NMR (150 MHz, CDCl_3) of **9bj**



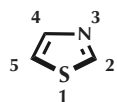


Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

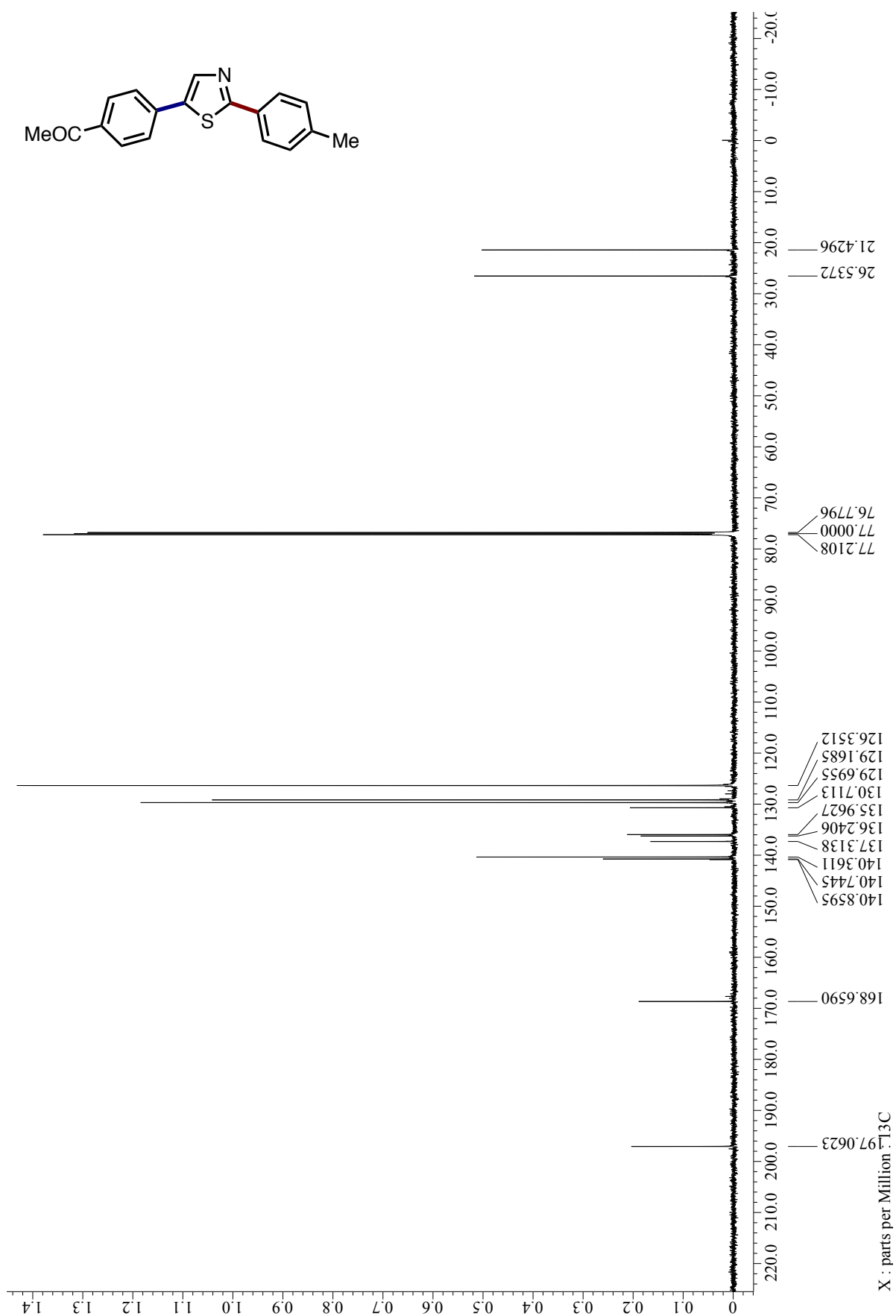
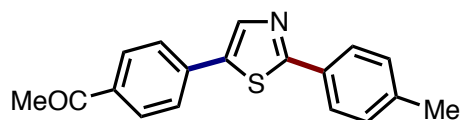
¹H NMR (600 MHz, CDCl₃) of 9bo

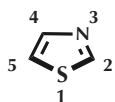


Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings



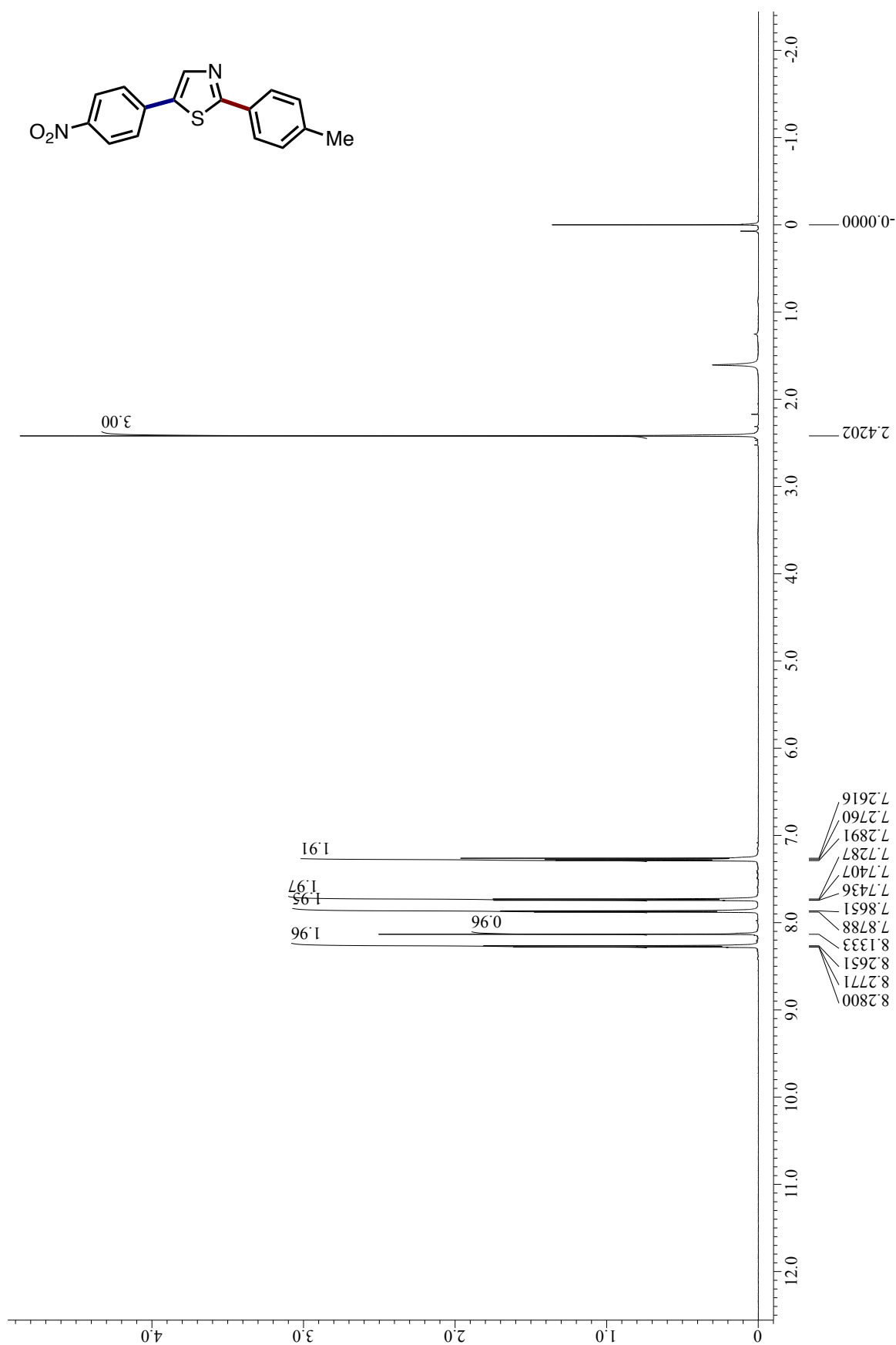
^{13}C NMR (150 MHz, CDCl_3) of **9bo**



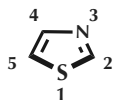


Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

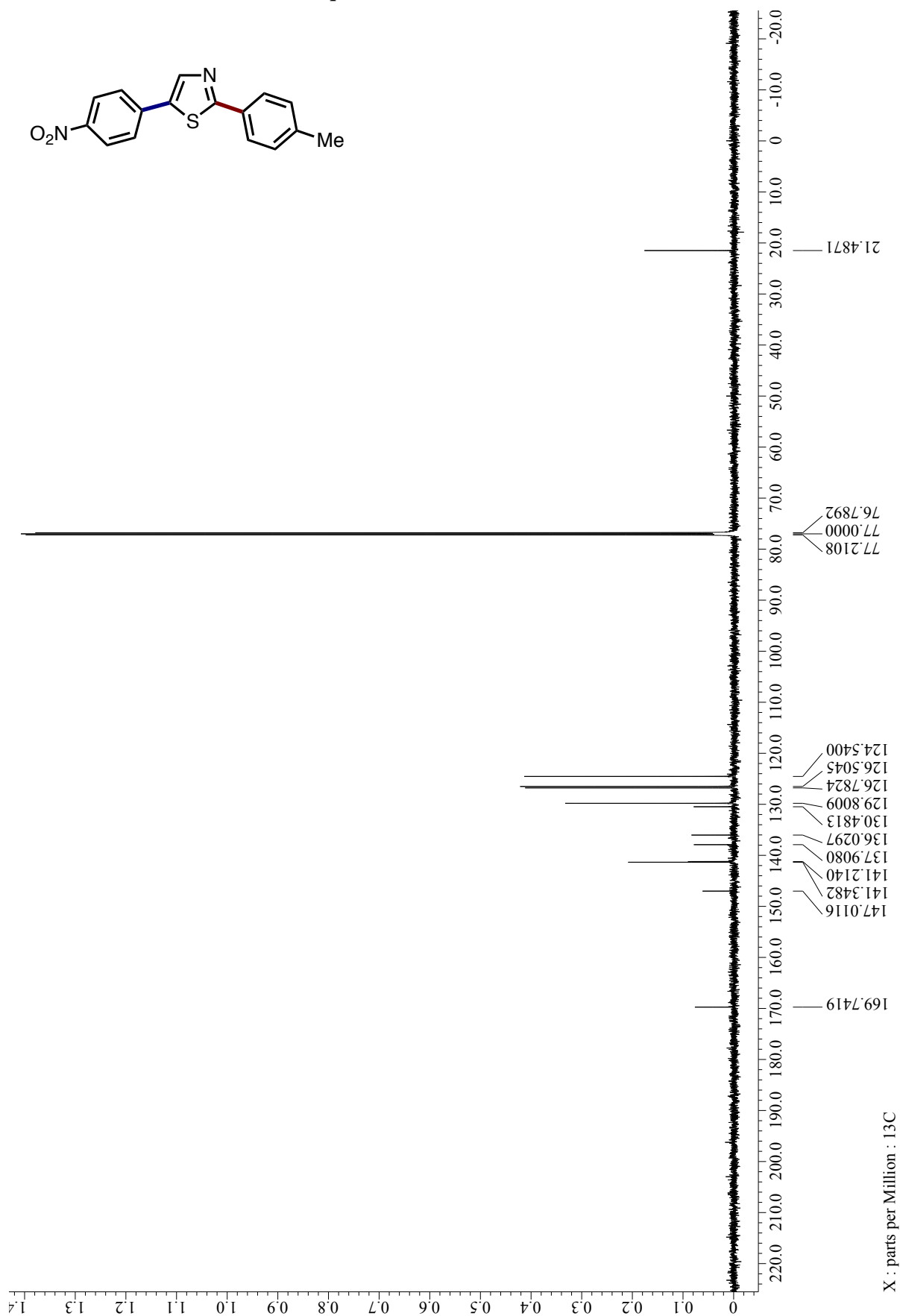
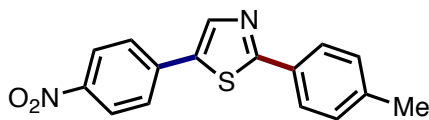
^1H NMR (600 MHz, CDCl_3) of **9bq**



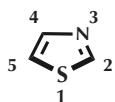
Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings



¹³C NMR (150 MHz, CDCl₃) of 9bq

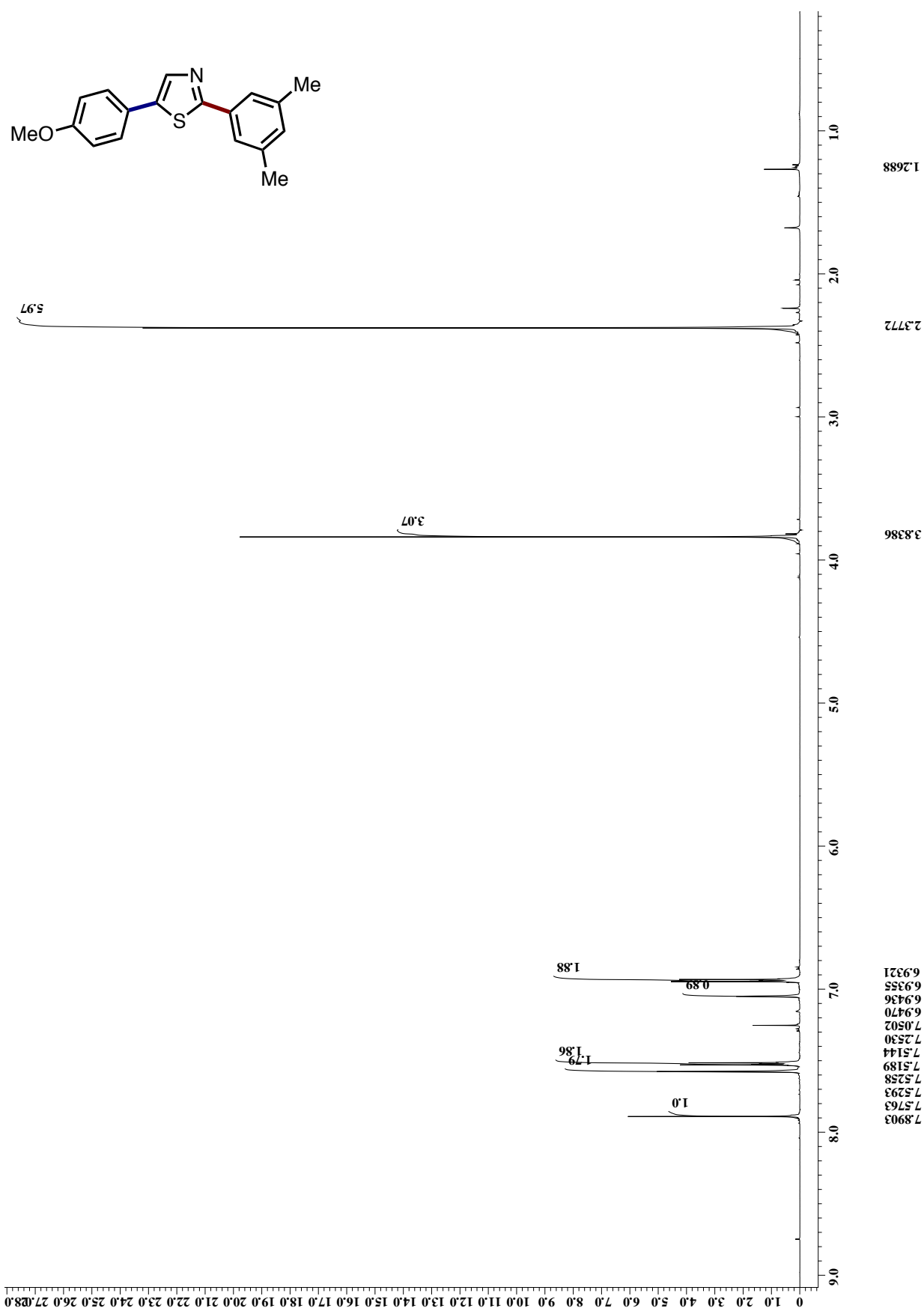


X : parts per Million : 13C

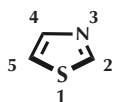


Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

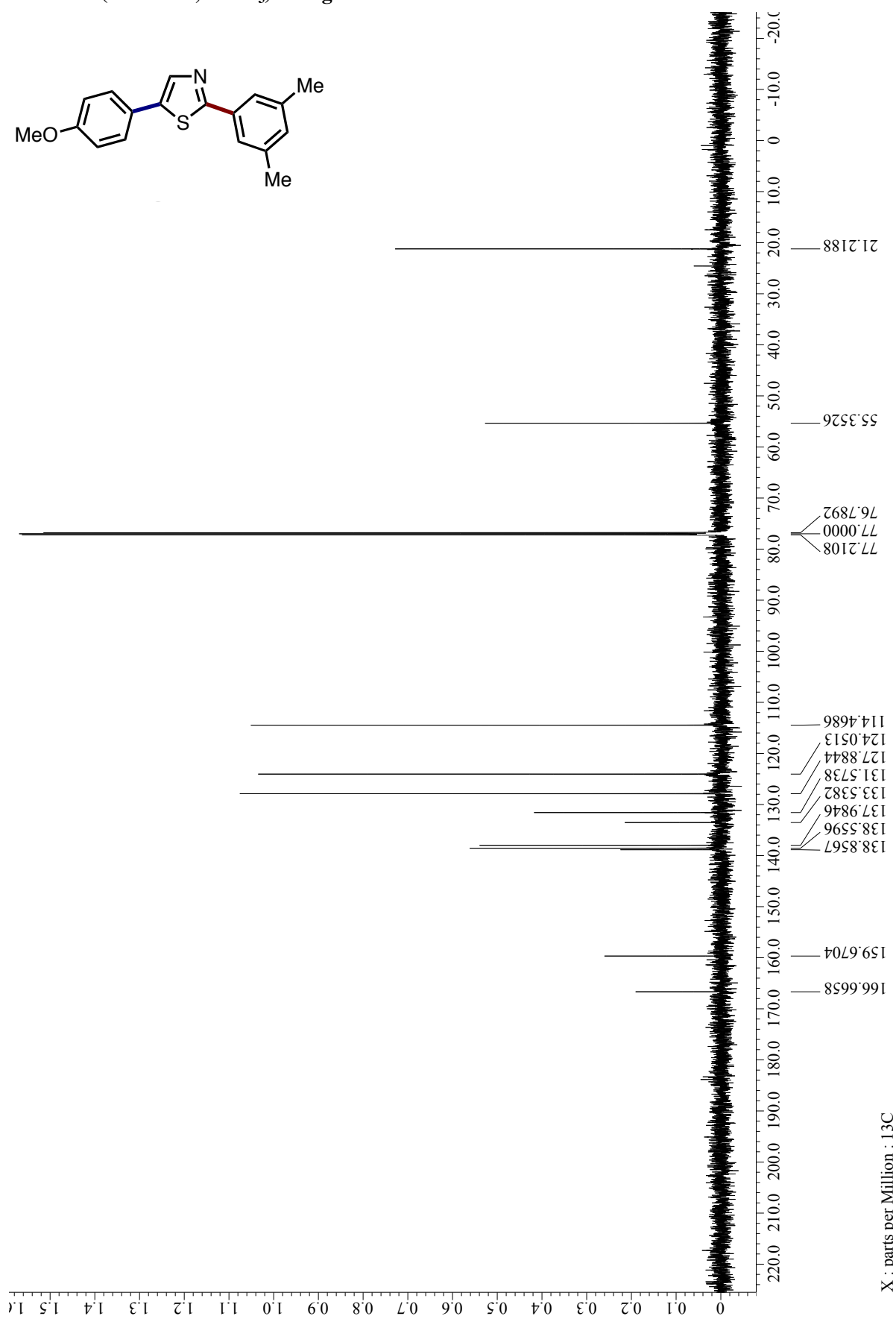
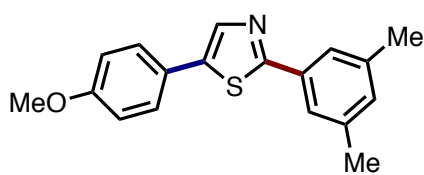
^1H NMR (600 MHz, CDCl_3) of **9eg**



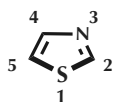
Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings



^{13}C NMR (150 MHz, CDCl_3) of **9eg**

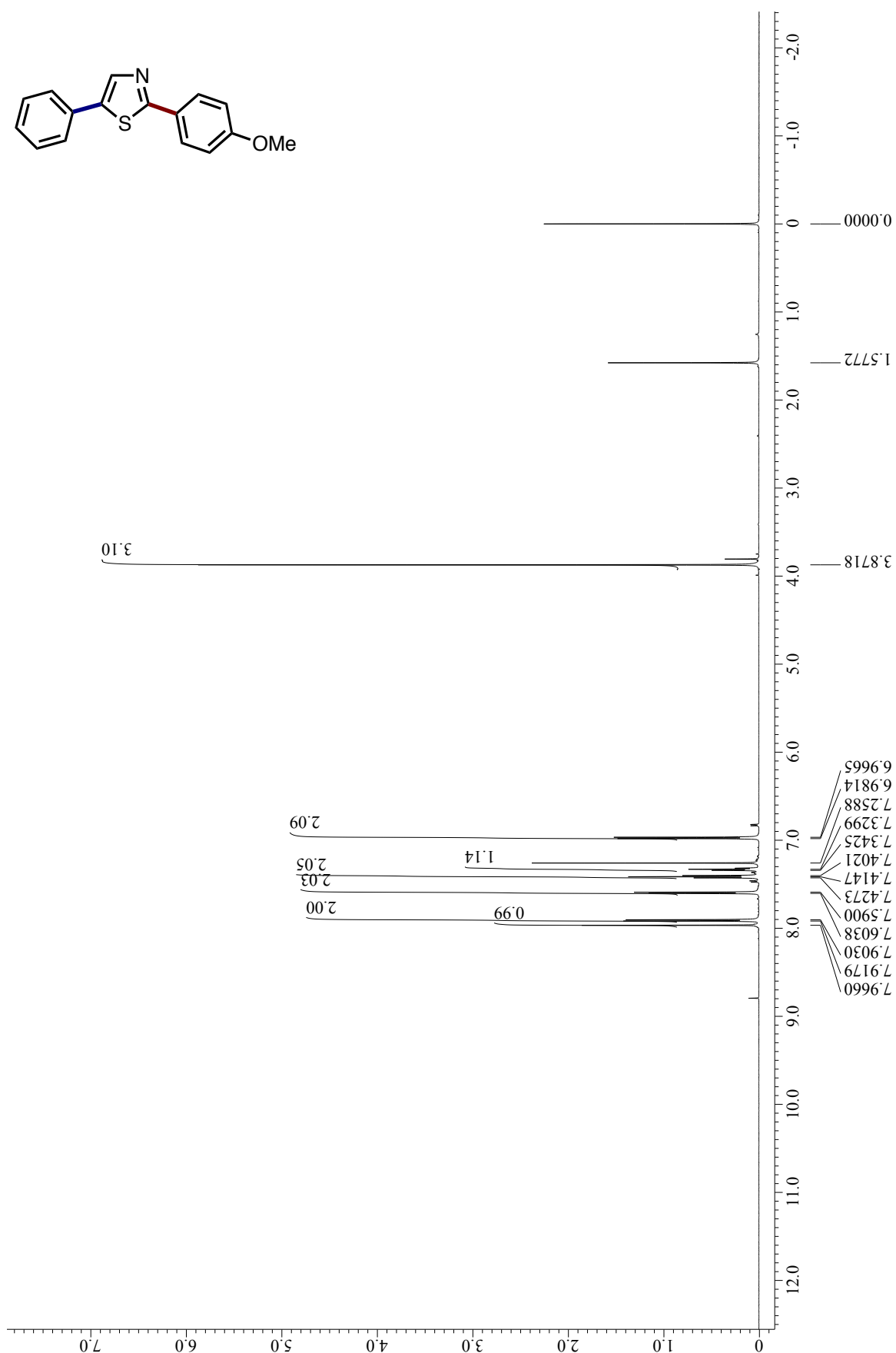


X : parts per Million : ^{13}C

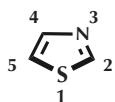


Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

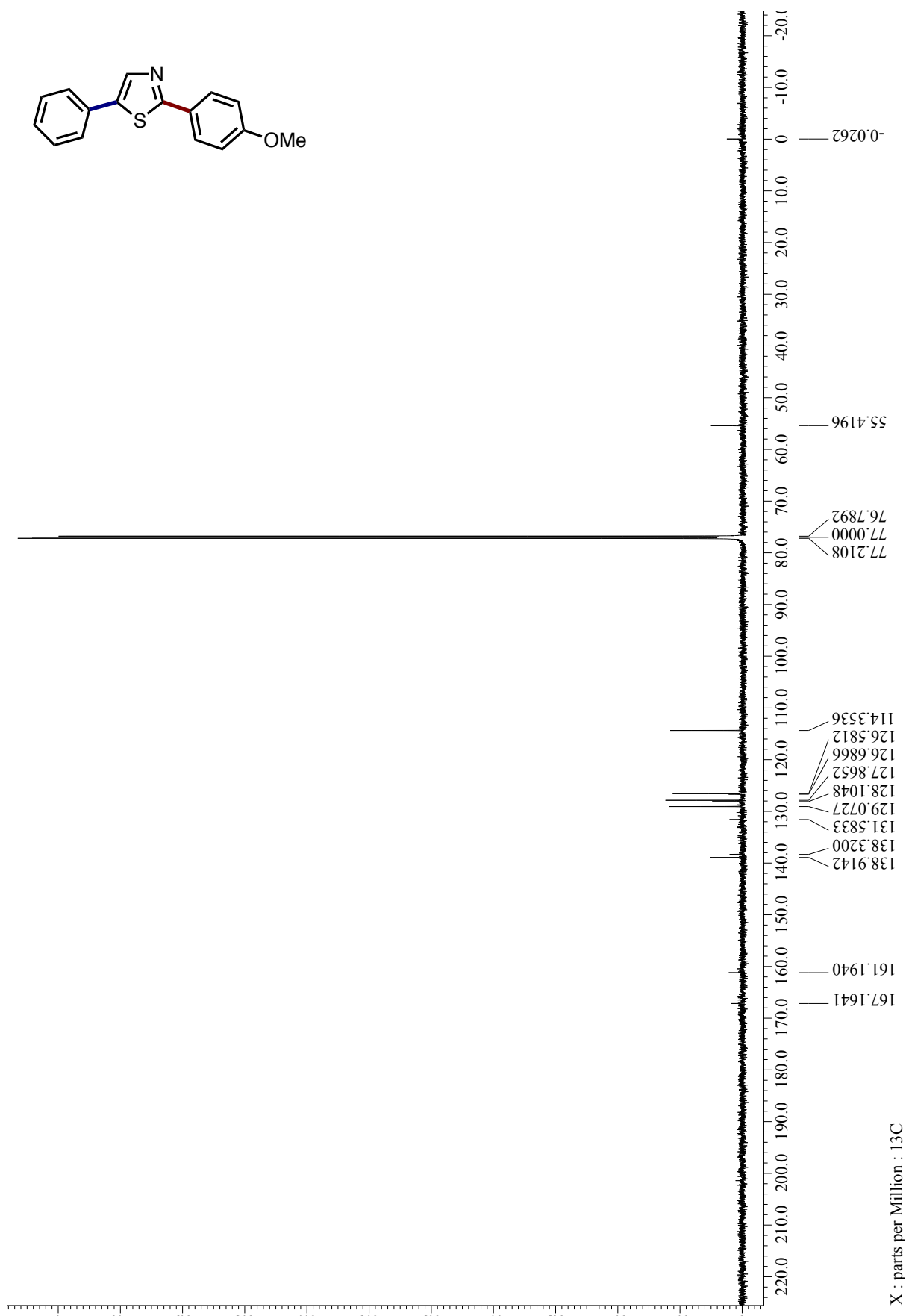
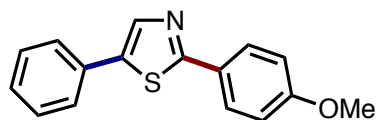
¹H NMR (600 MHz, CDCl₃) of 9ga



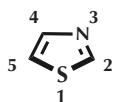
Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings



¹³C NMR (150 MHz, CDCl₃) of **9ga**

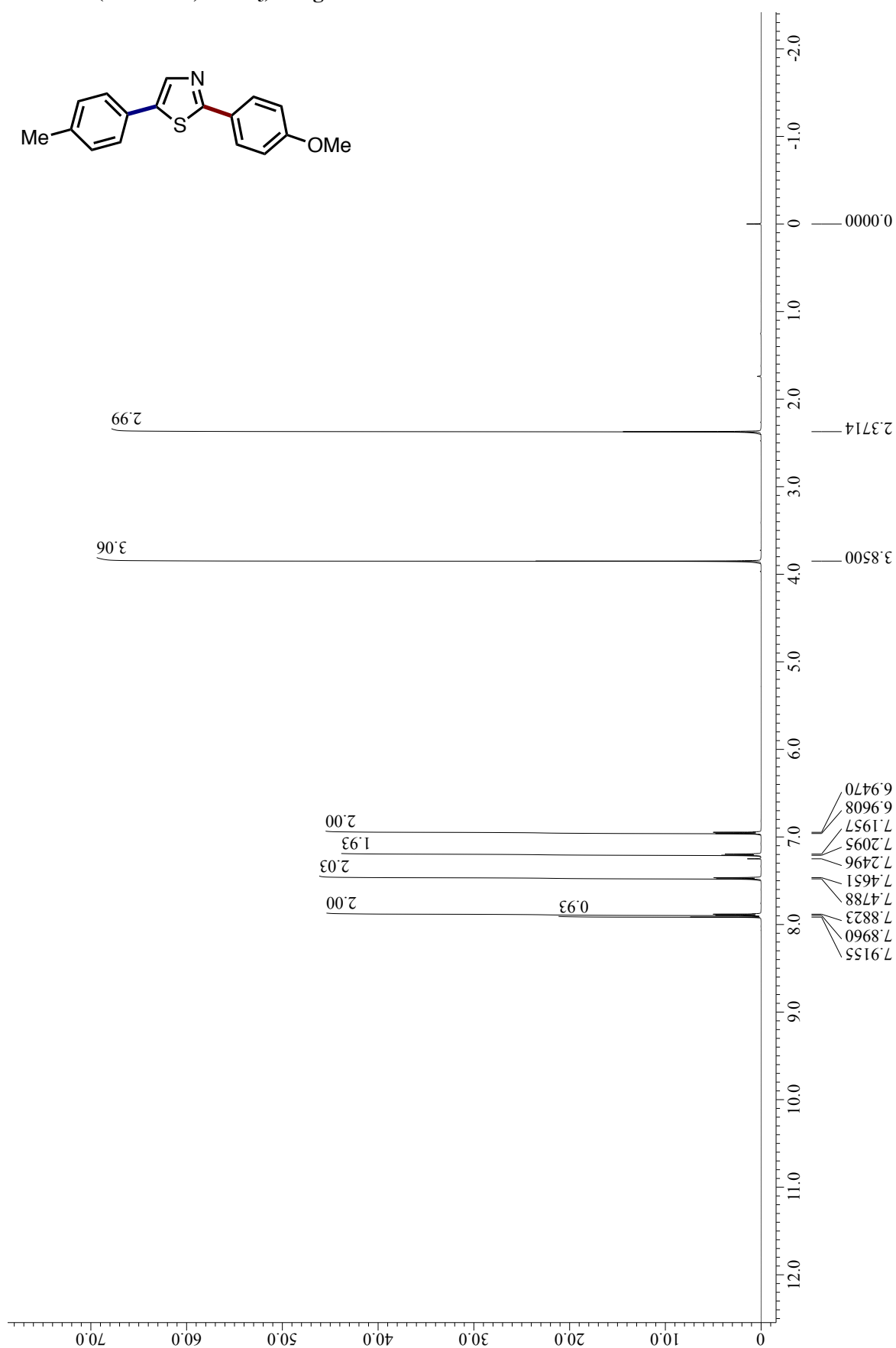


X : parts per Million : ¹³C

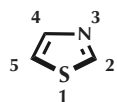


Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

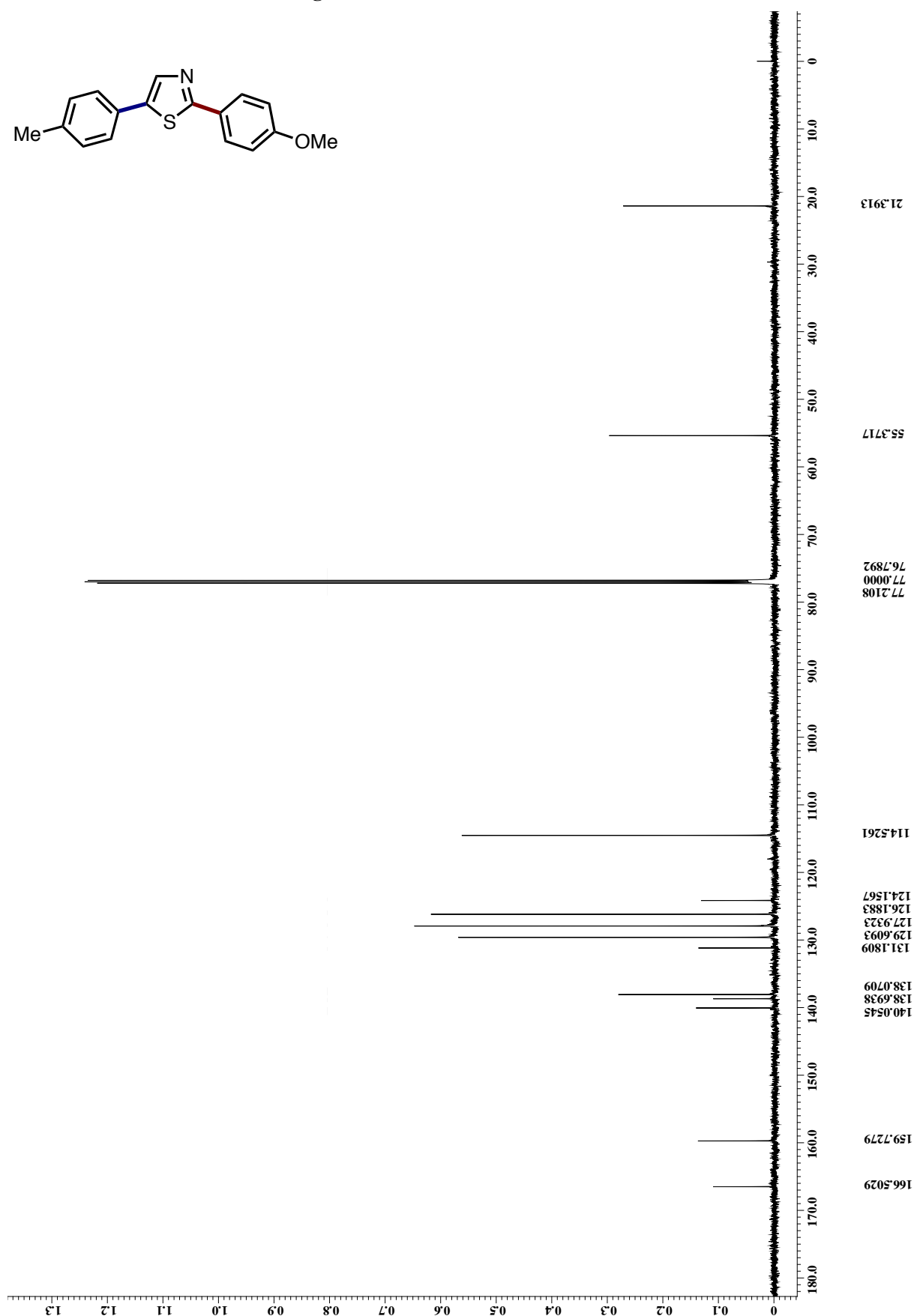
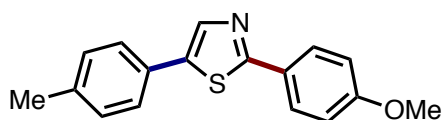
¹H NMR (600 MHz, CDCl₃) of 9gb

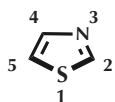


Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings



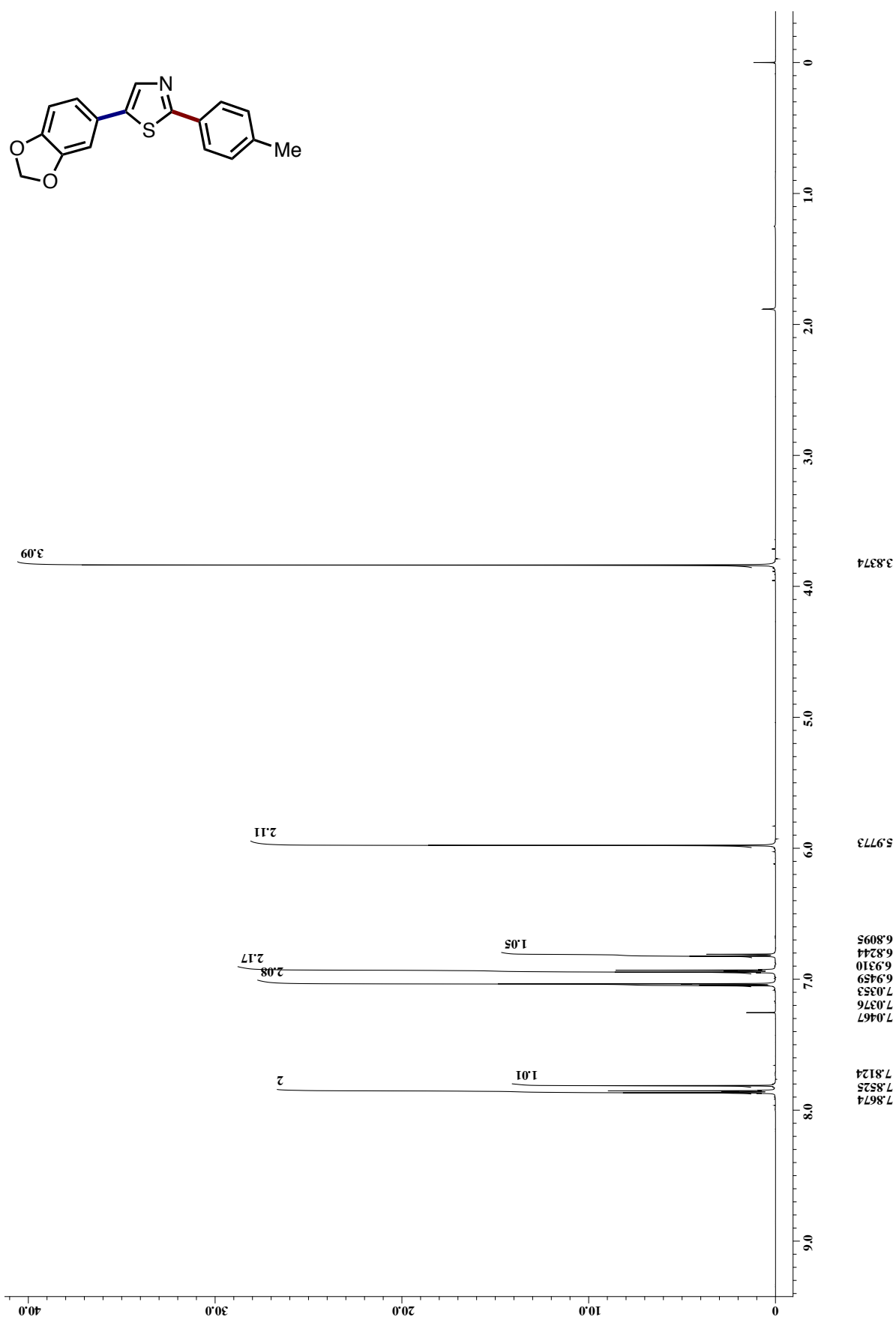
^{13}C NMR (150 MHz, CDCl_3) of **9gb**

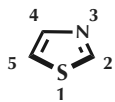




Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

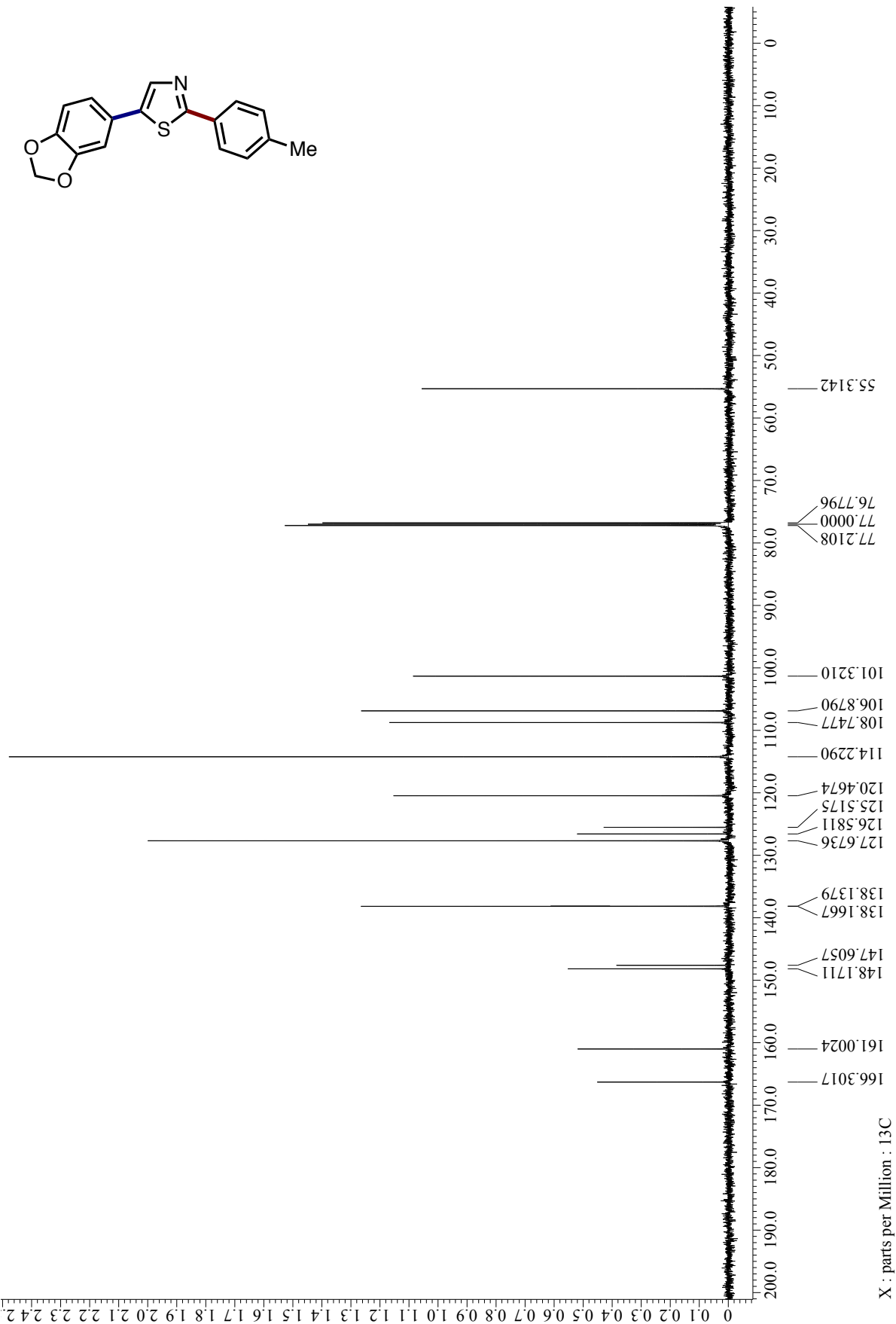
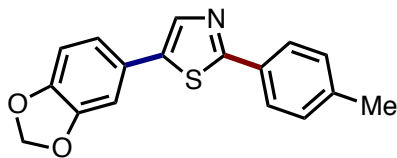
¹H NMR (600 MHz, CDCl₃) of 9gh



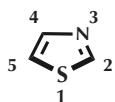


Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

¹³C NMR (150 MHz, CDCl₃) of 9gh

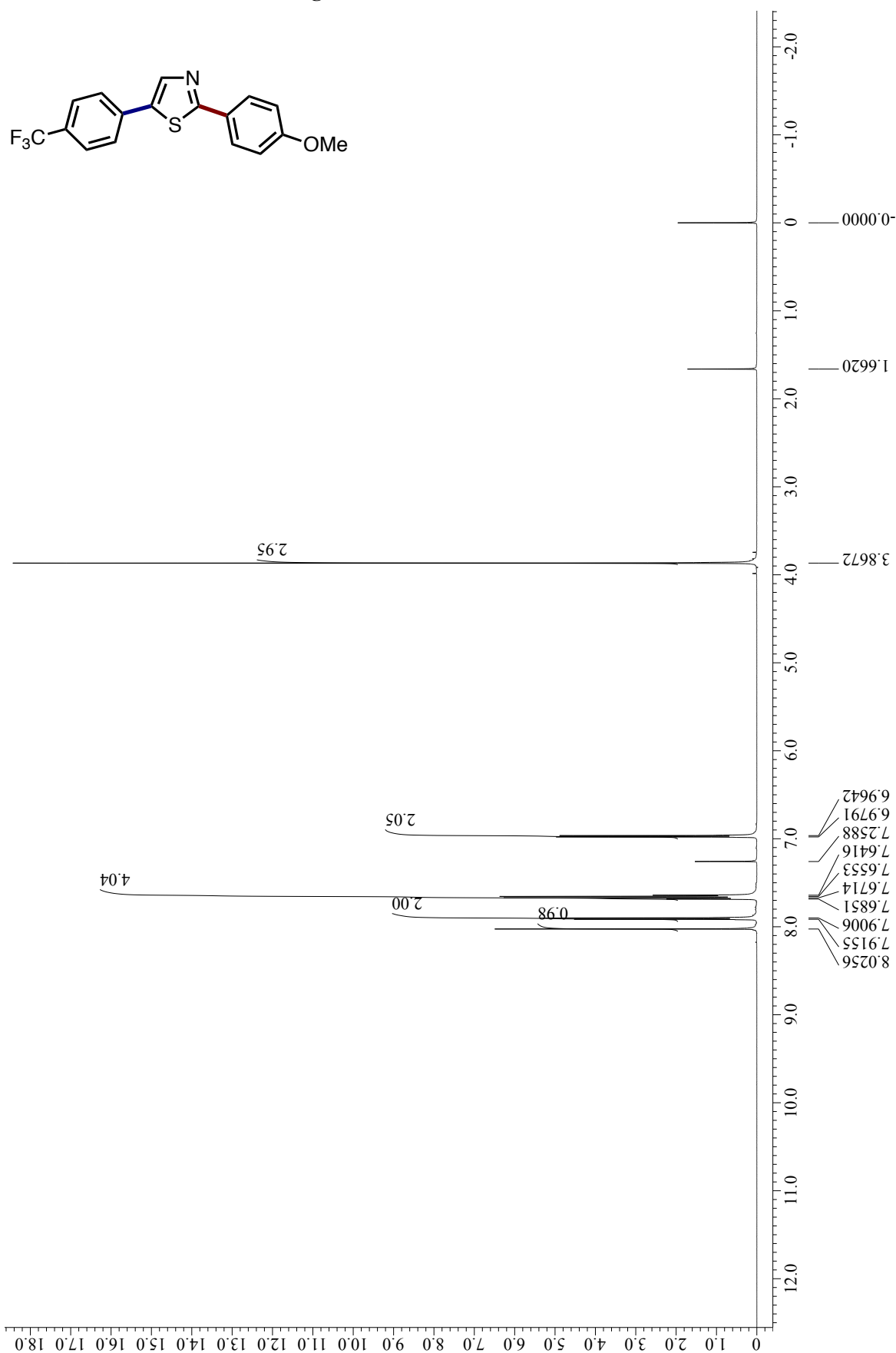


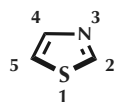
X : parts per Million : 13C



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

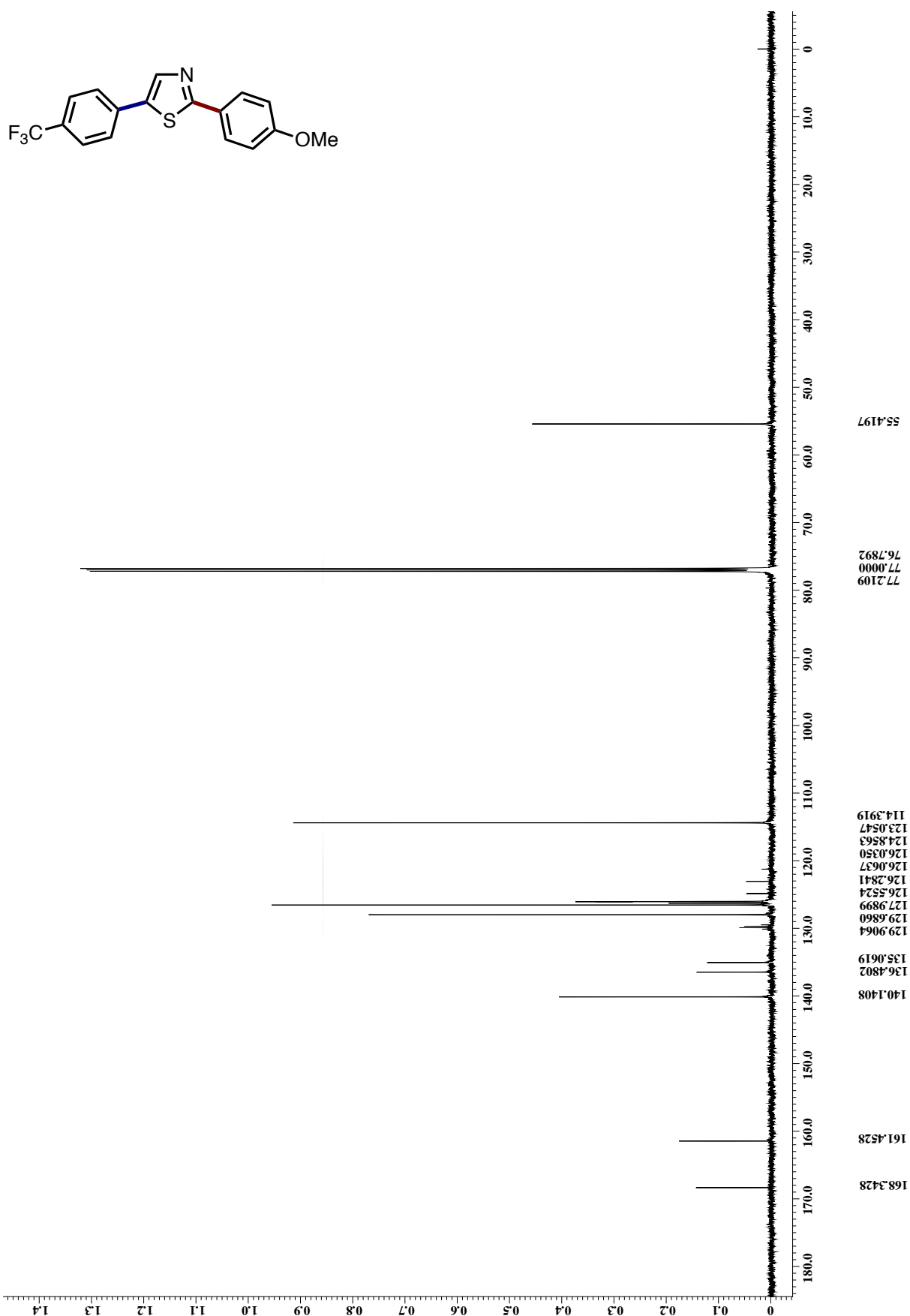
¹H NMR (600 MHz, CDCl₃) of 9gk

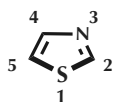




Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

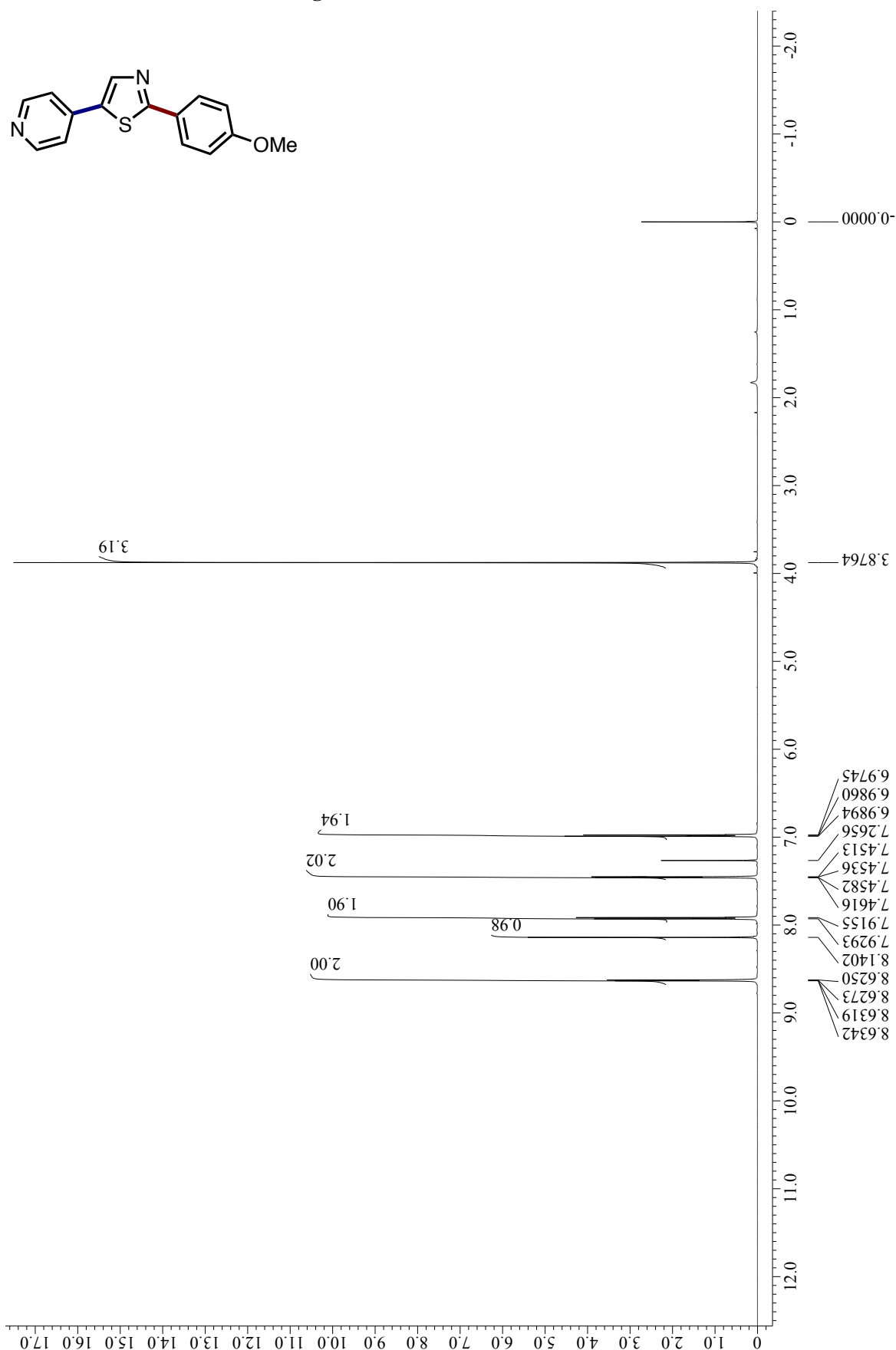
^{13}C NMR (150 MHz, CDCl_3) of **9gk**



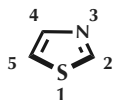


Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

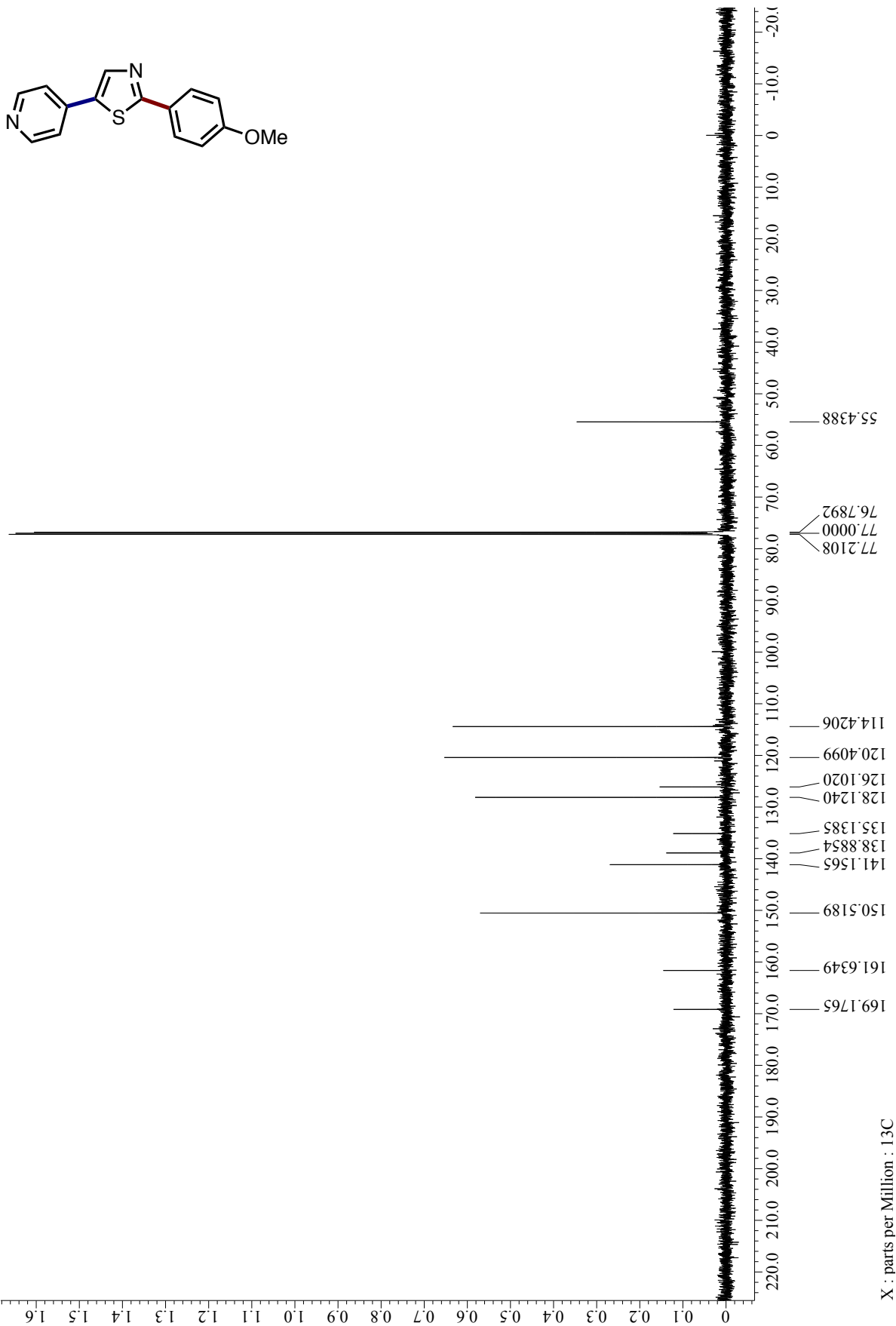
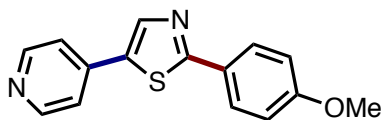
¹H NMR (600 MHz, CDCl₃) of 9gu



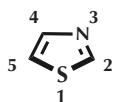
Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings



¹³C NMR (150 MHz, CDCl₃) of **9gu**

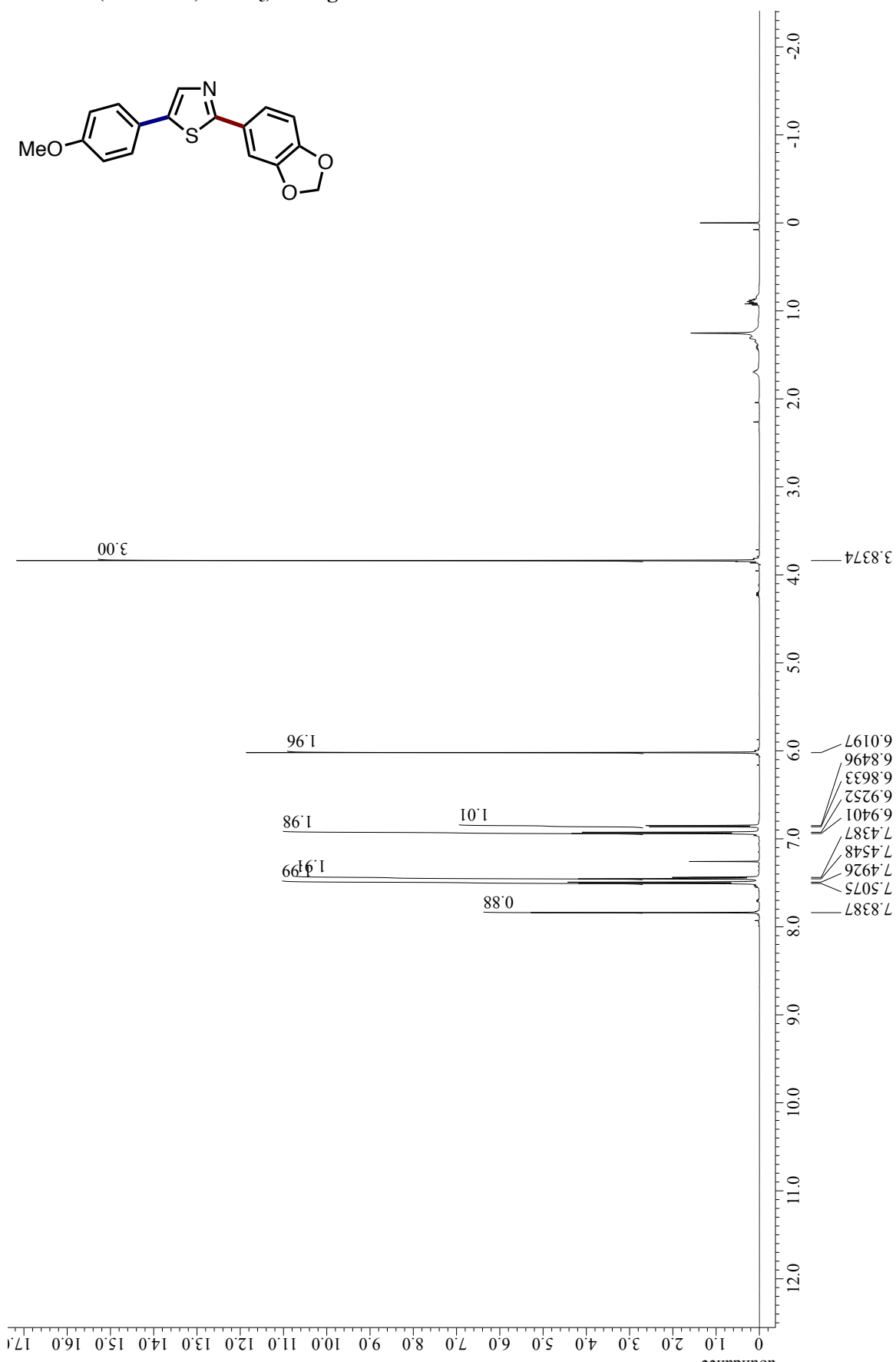


X : parts per Million : ¹³C

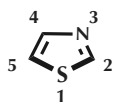


Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

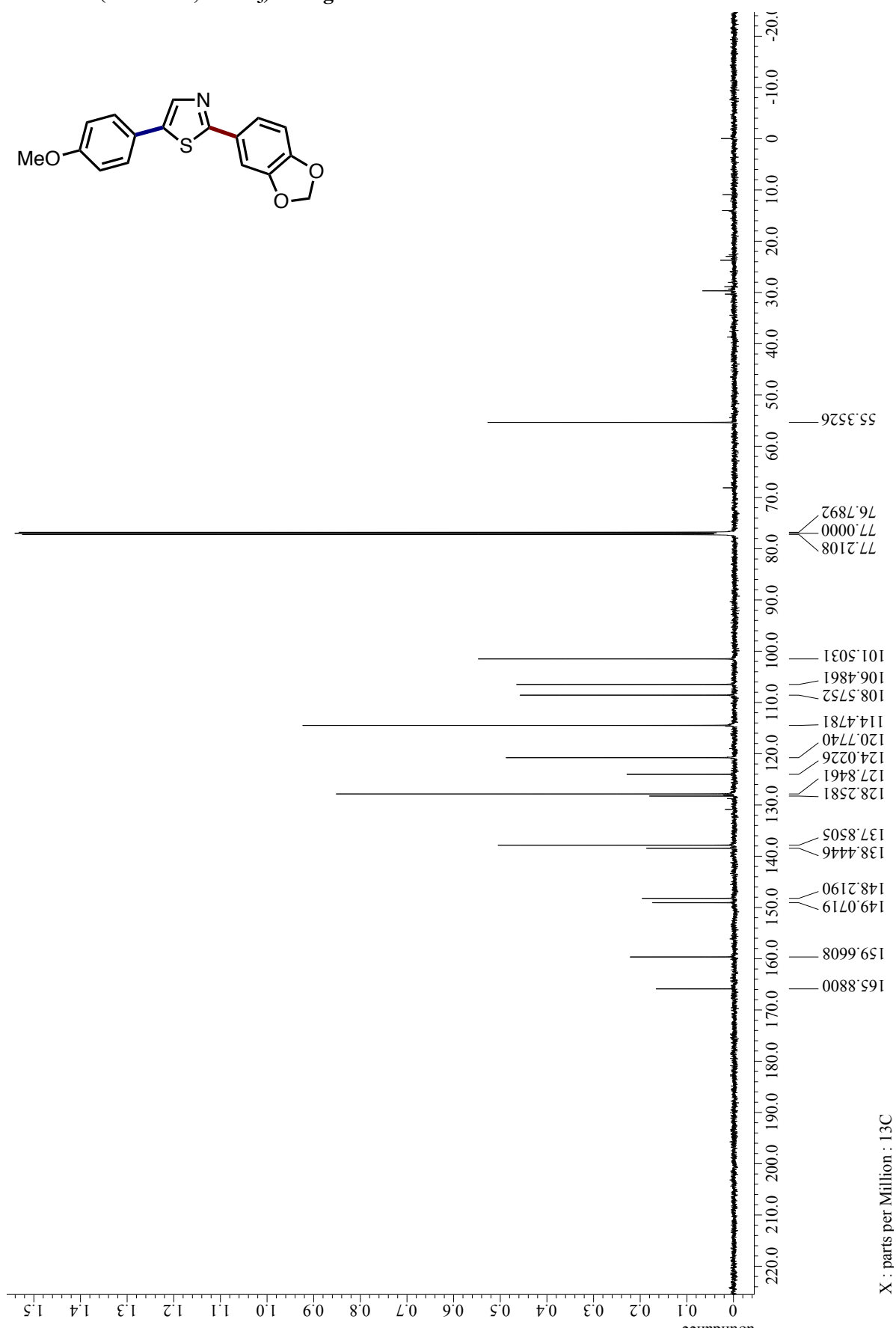
^1H NMR (600 MHz, CDCl_3) of **9hg**

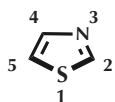


Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings



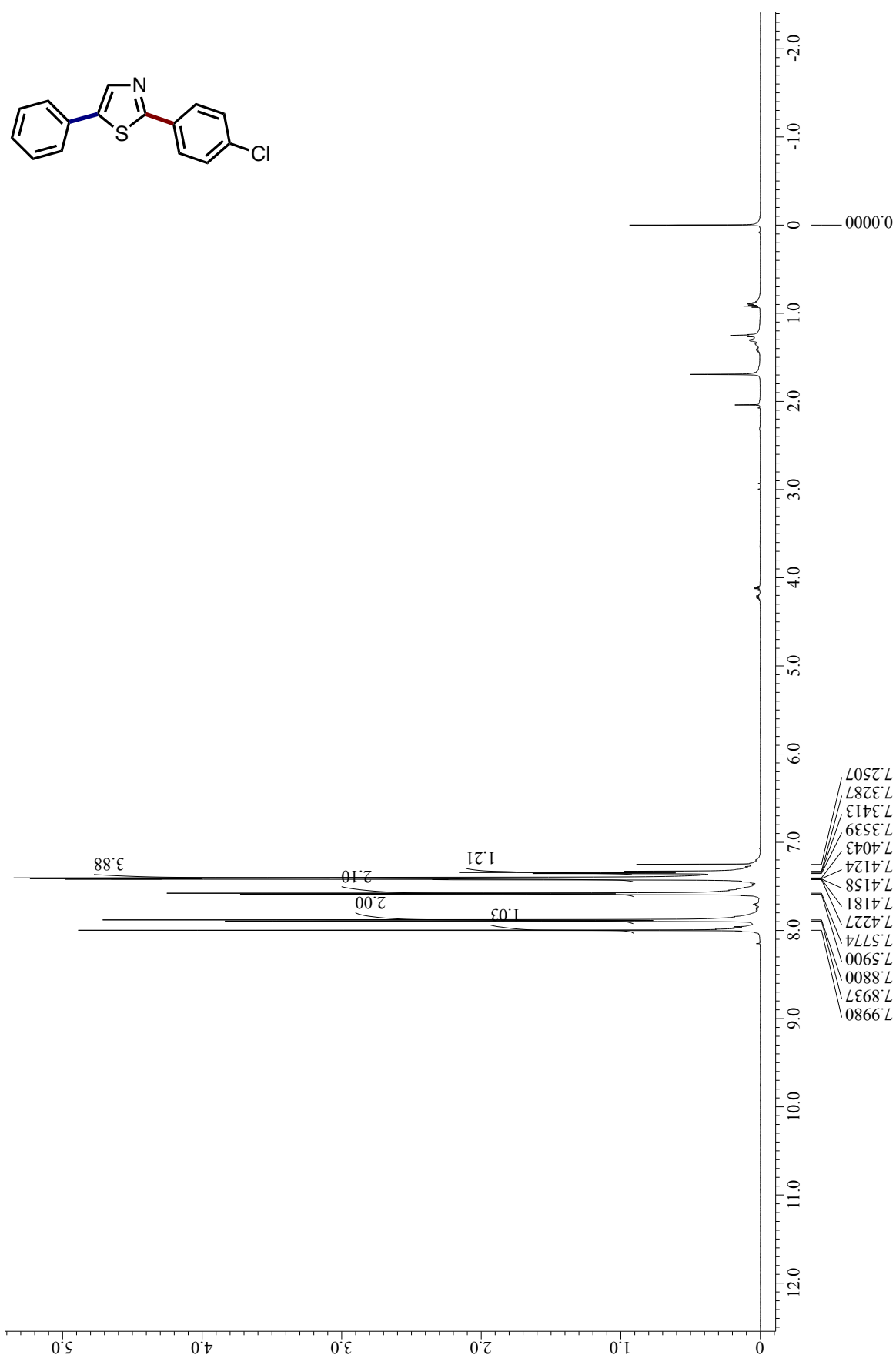
^{13}C NMR (150 MHz, CDCl_3) of 9hg

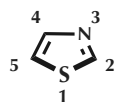




Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

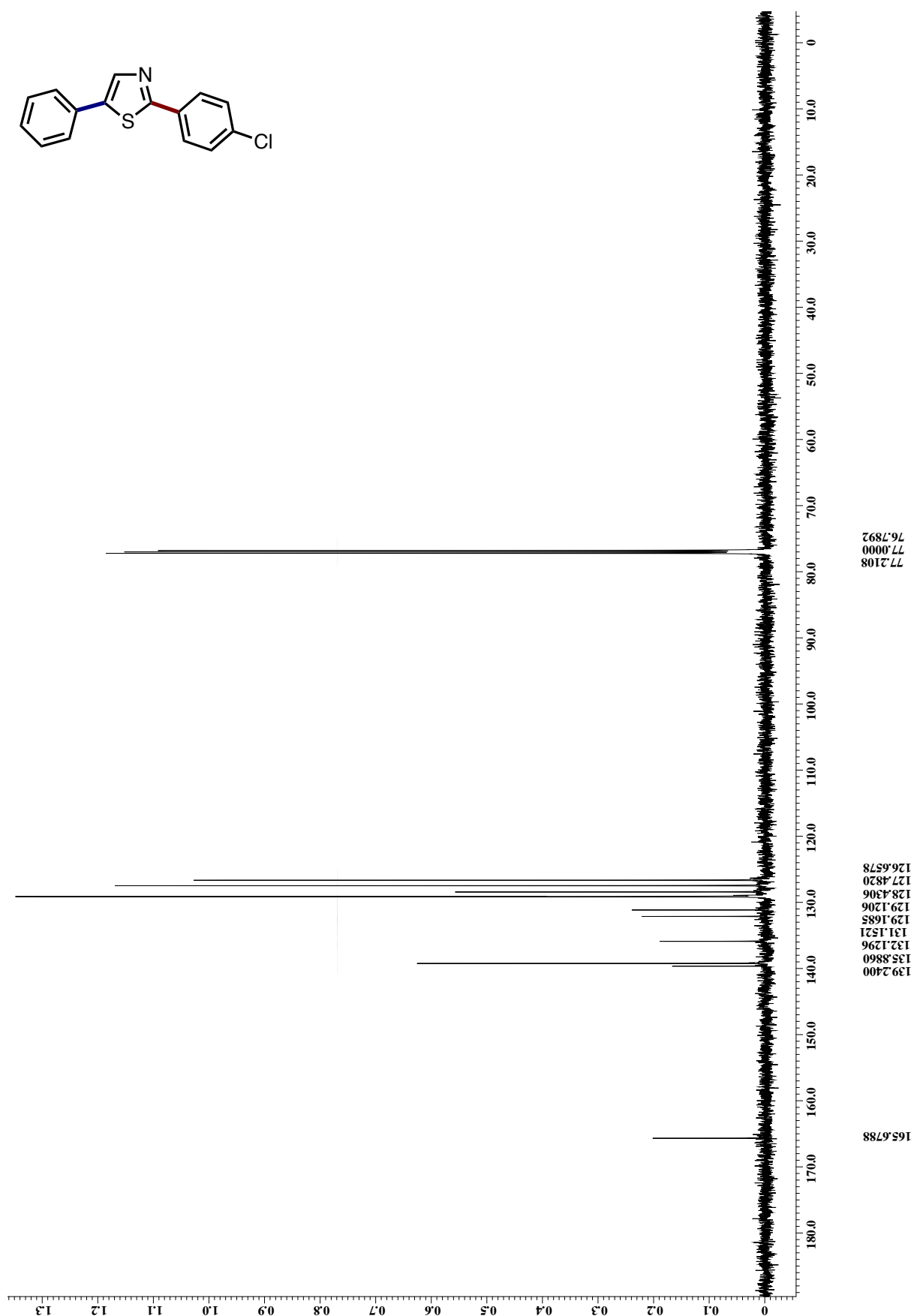
¹H NMR (600 MHz, CDCl₃) of 9ja

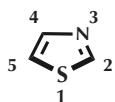




Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

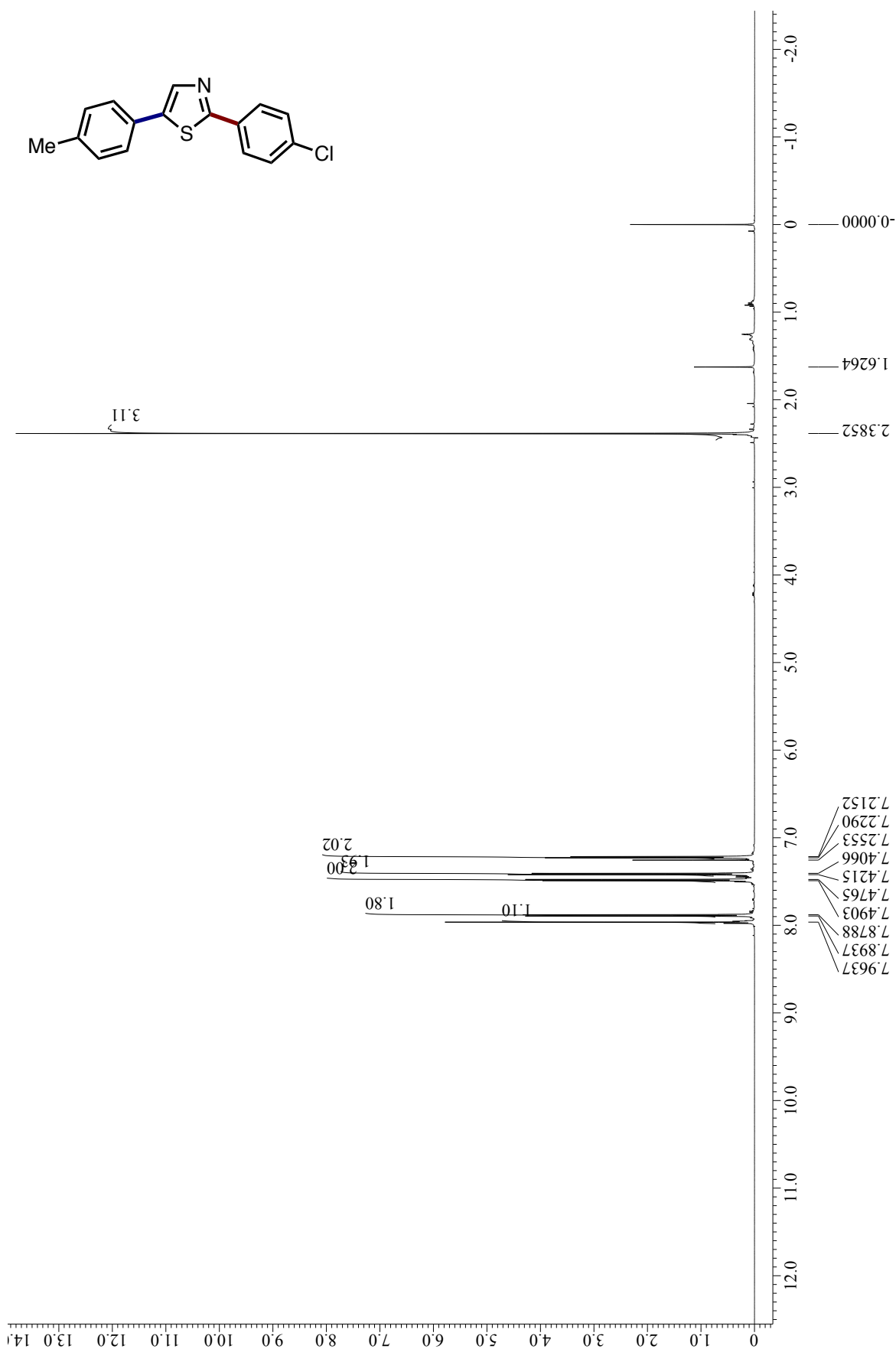
^{13}C NMR (150 MHz, CDCl_3) of **9ja**



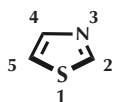


Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

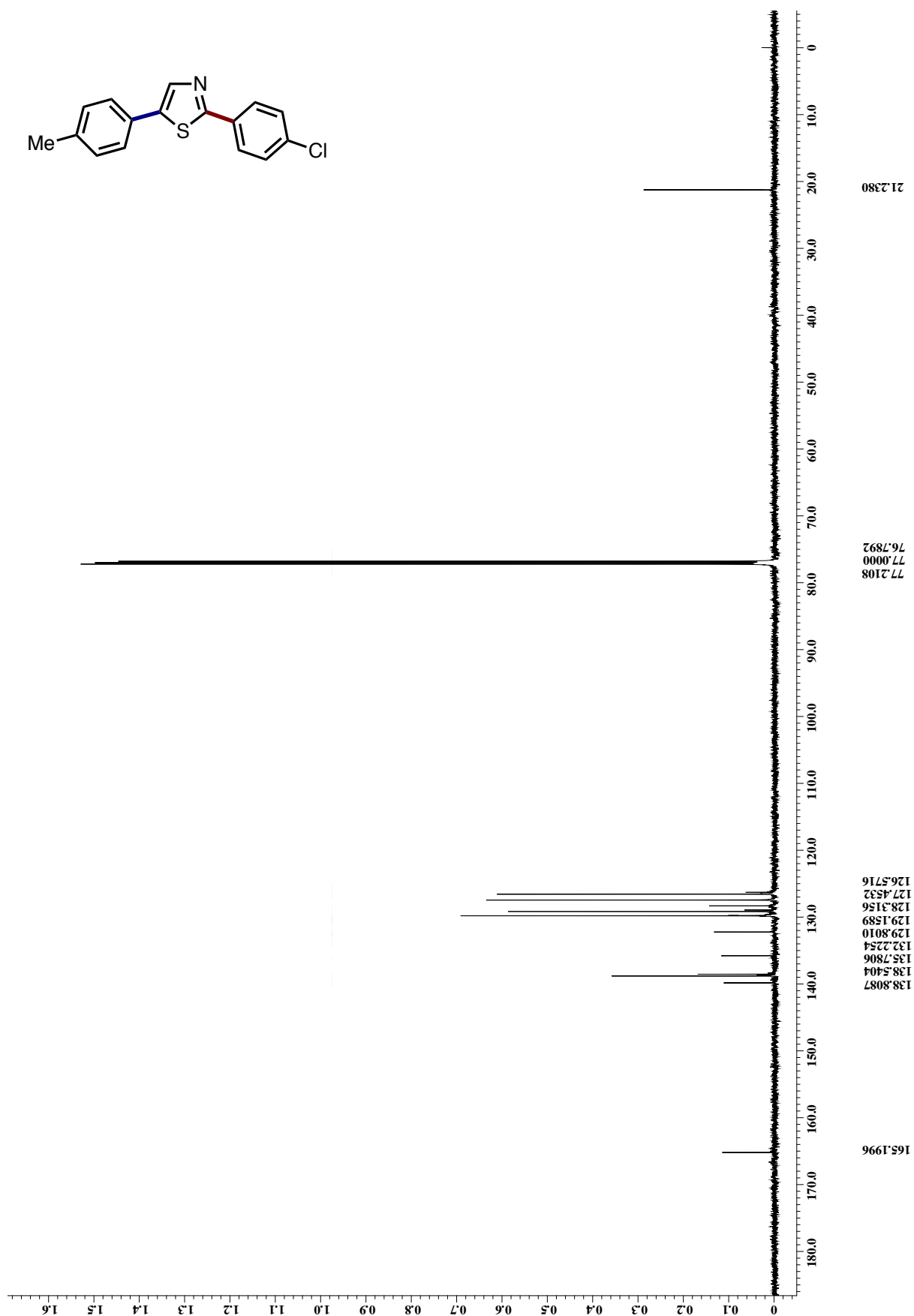
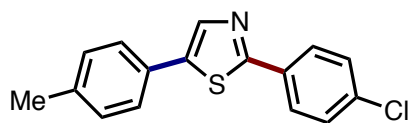
¹H NMR (600 MHz, CDCl₃) of 9jb

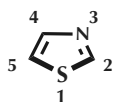


Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings



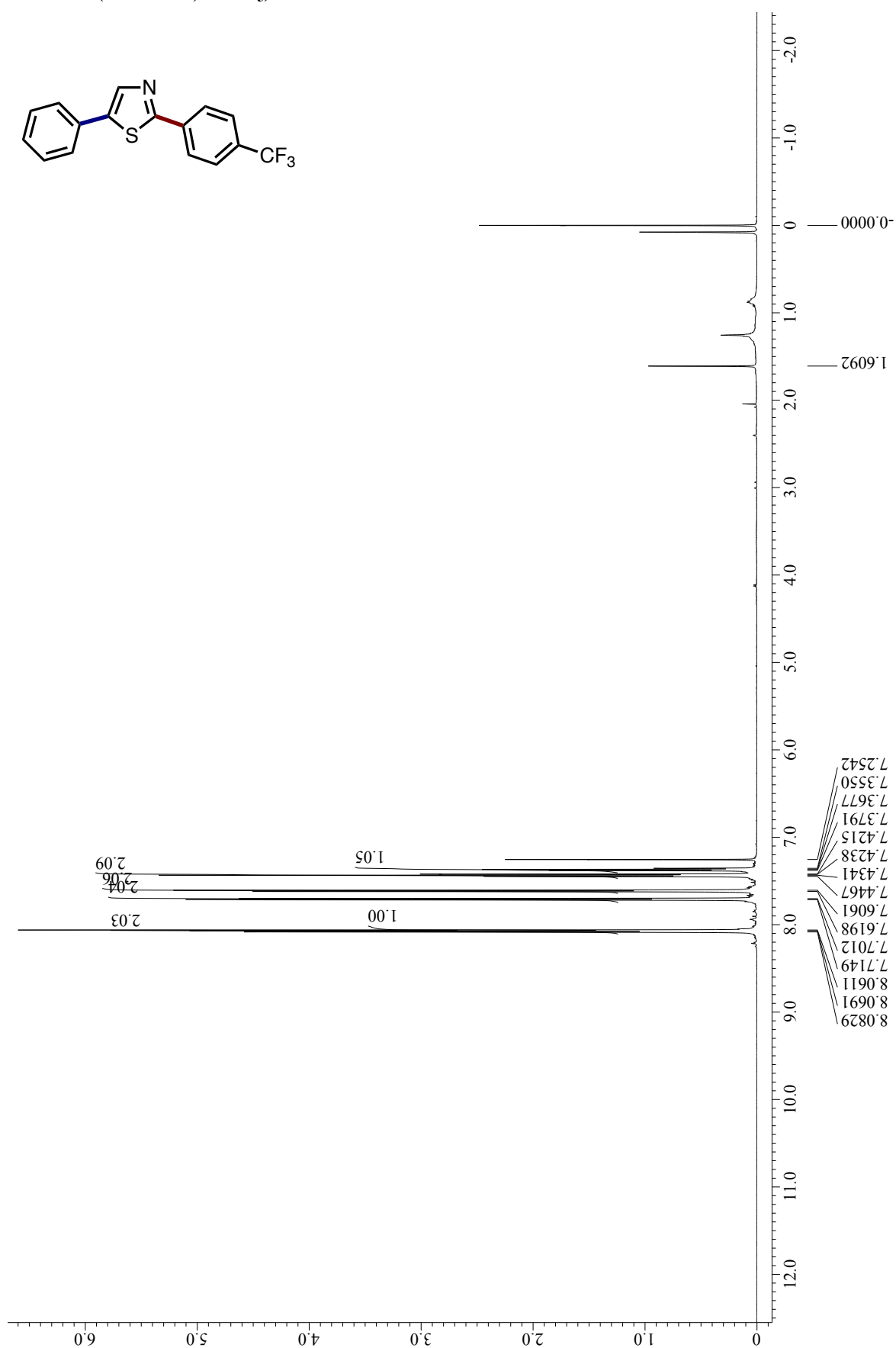
^{13}C NMR (150 MHz, CDCl_3) of **9jb**



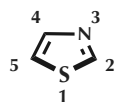


Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

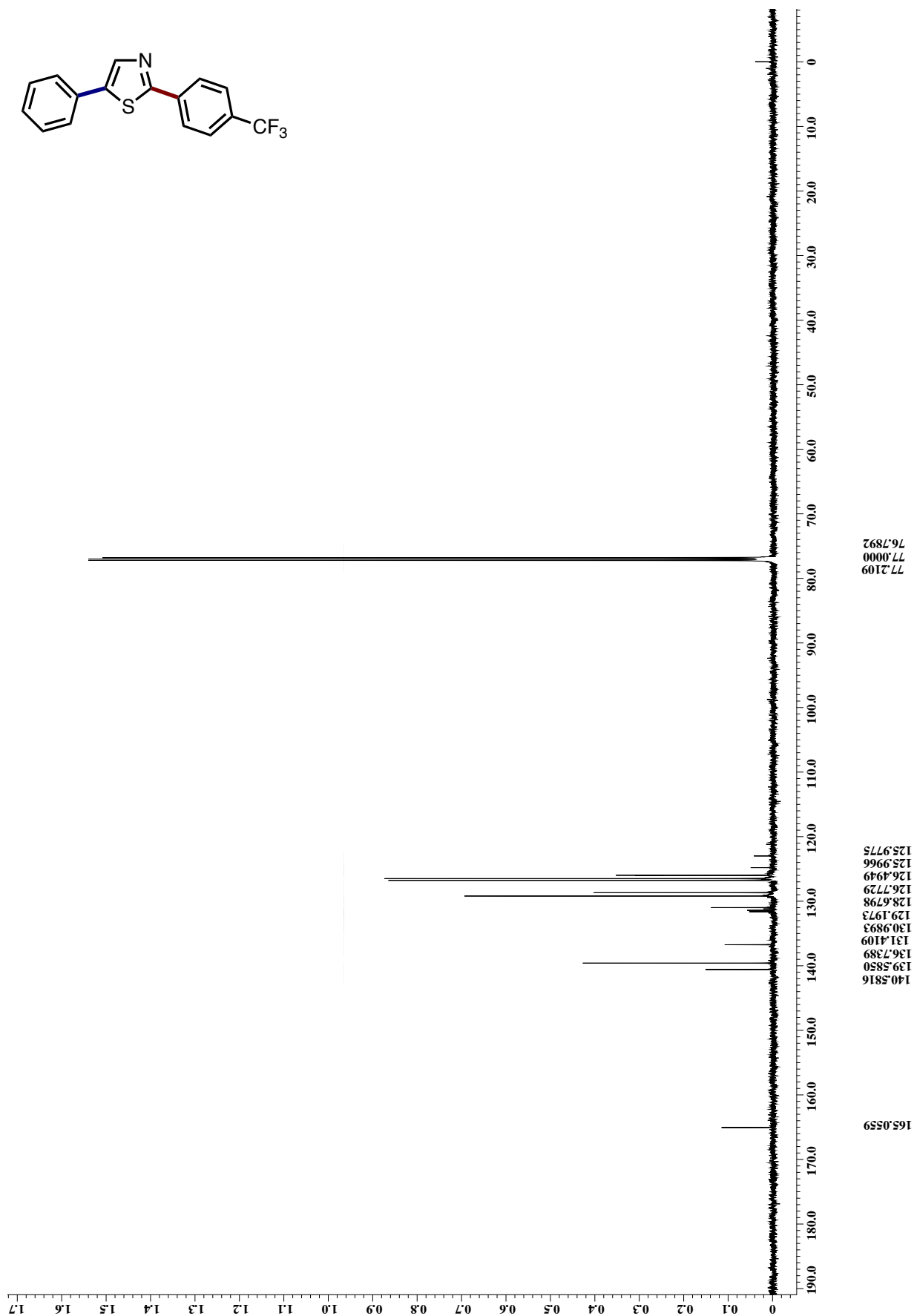
¹H NMR (600 MHz, CDCl₃) of 9ka

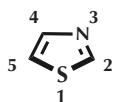


Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings



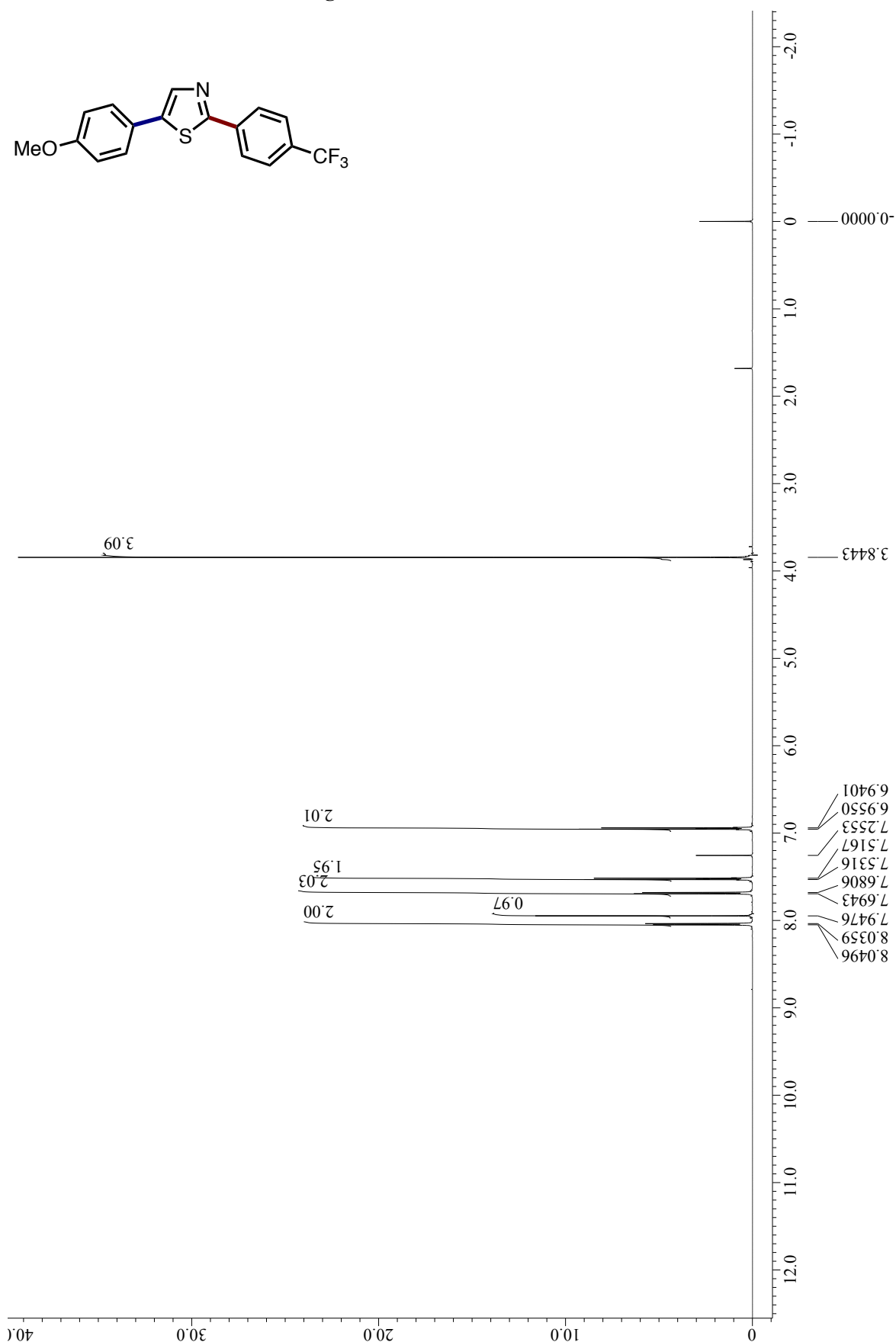
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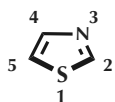




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Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

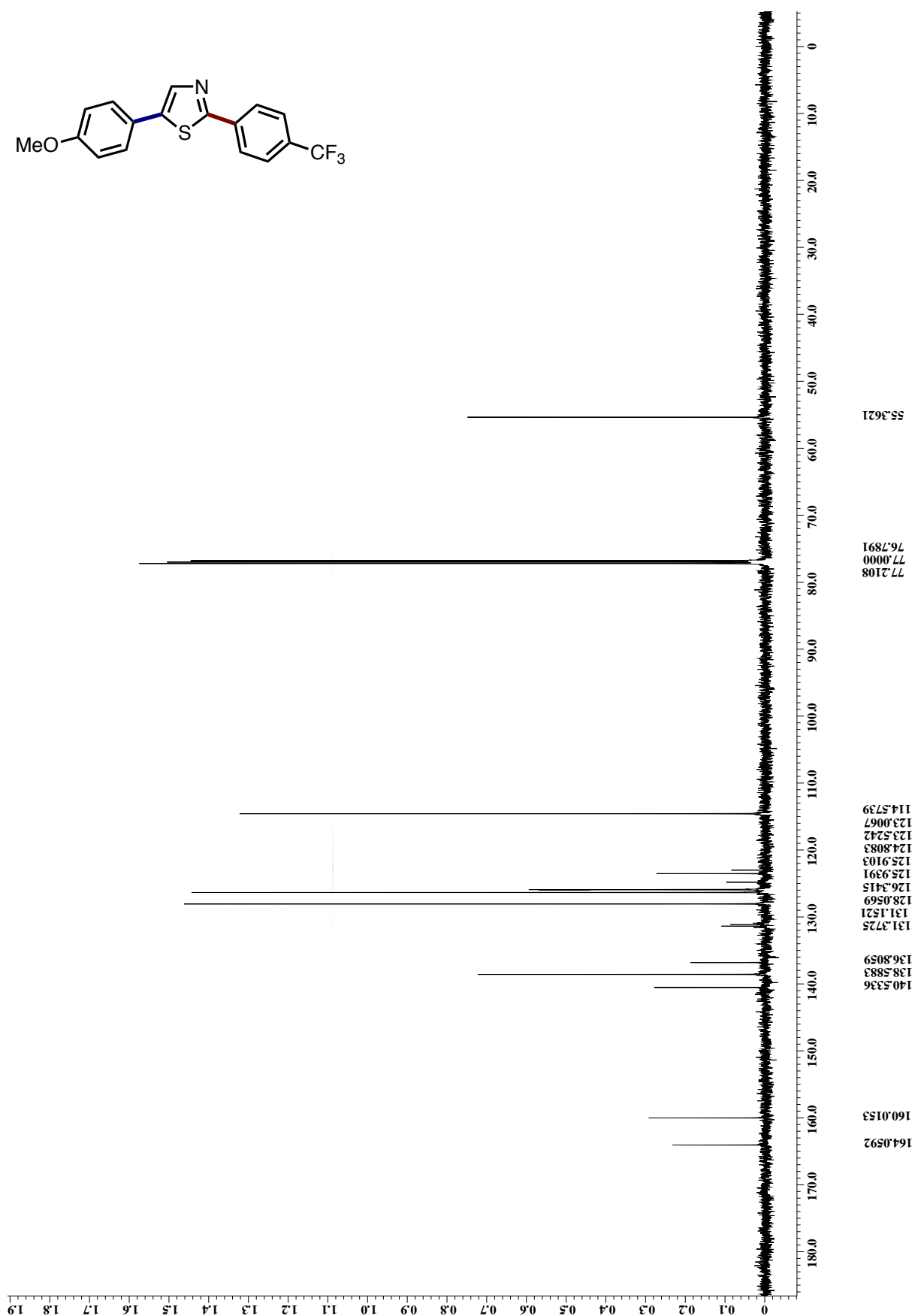
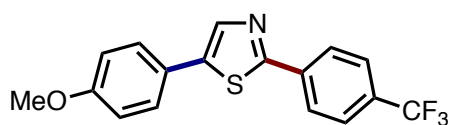
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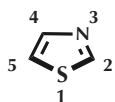




Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

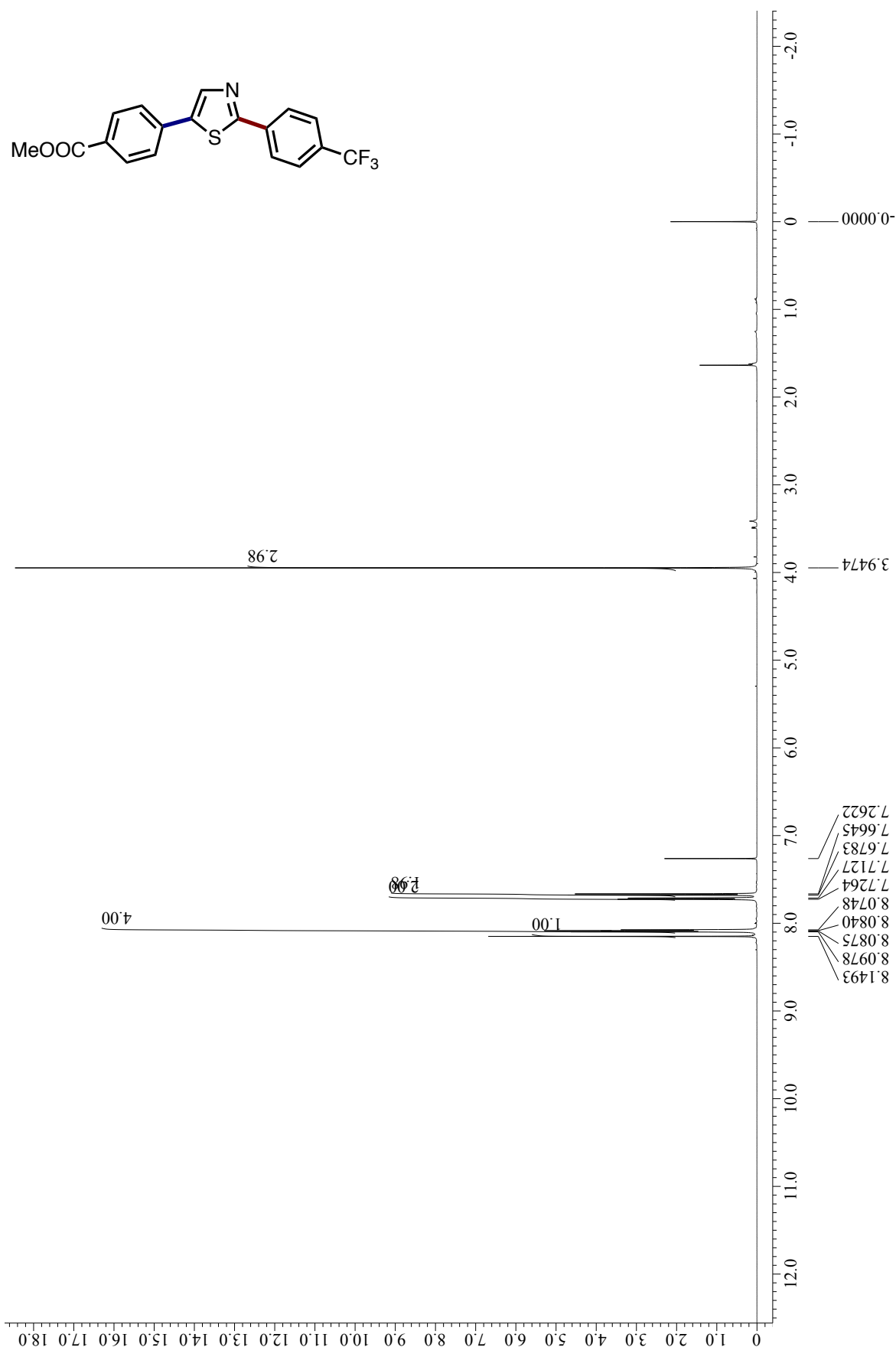
¹³C NMR (150 MHz, CDCl₃) of 9kg

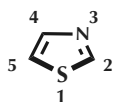




Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

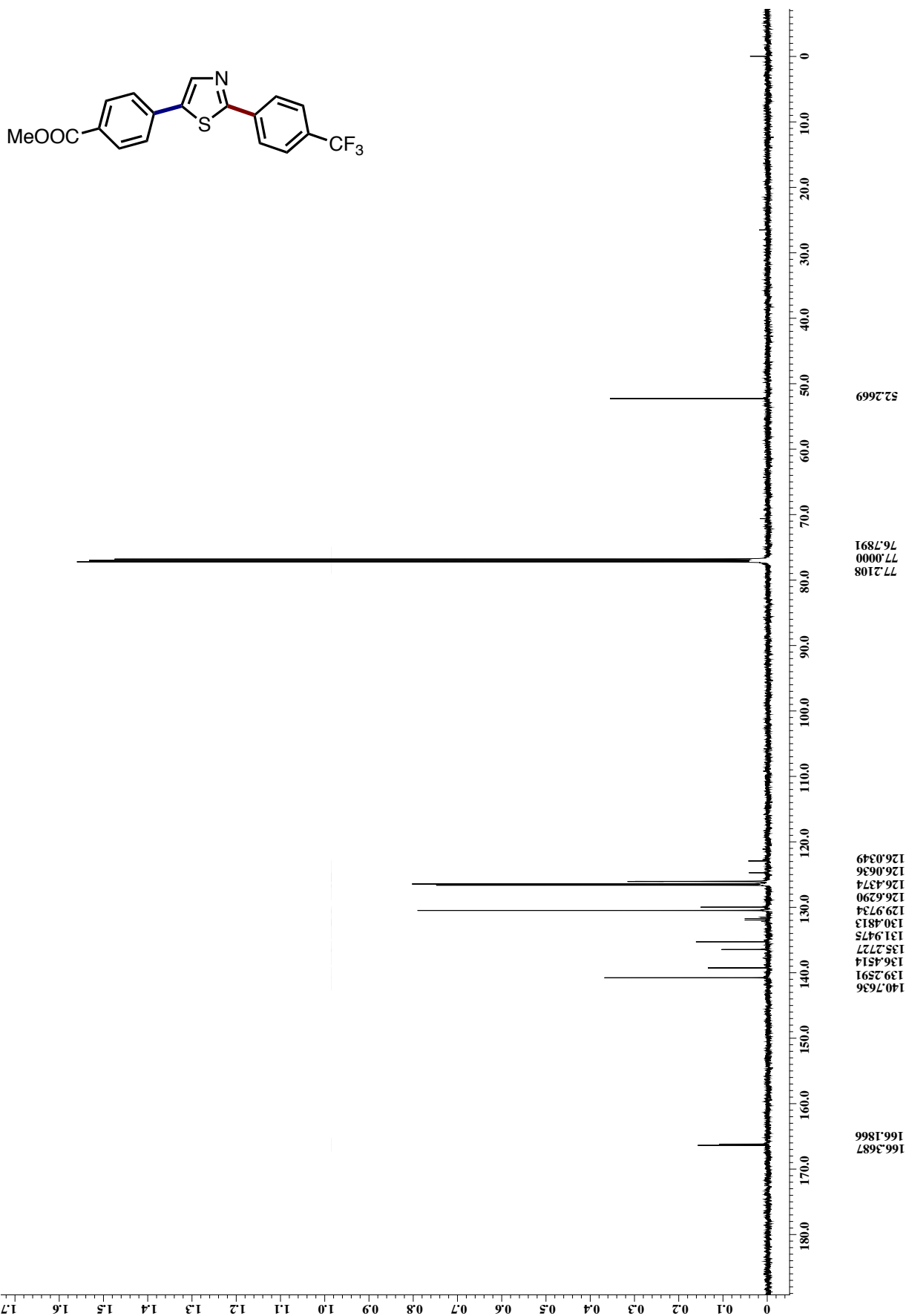
¹H NMR (600 MHz, CDCl₃) of 9kn

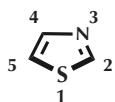




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Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

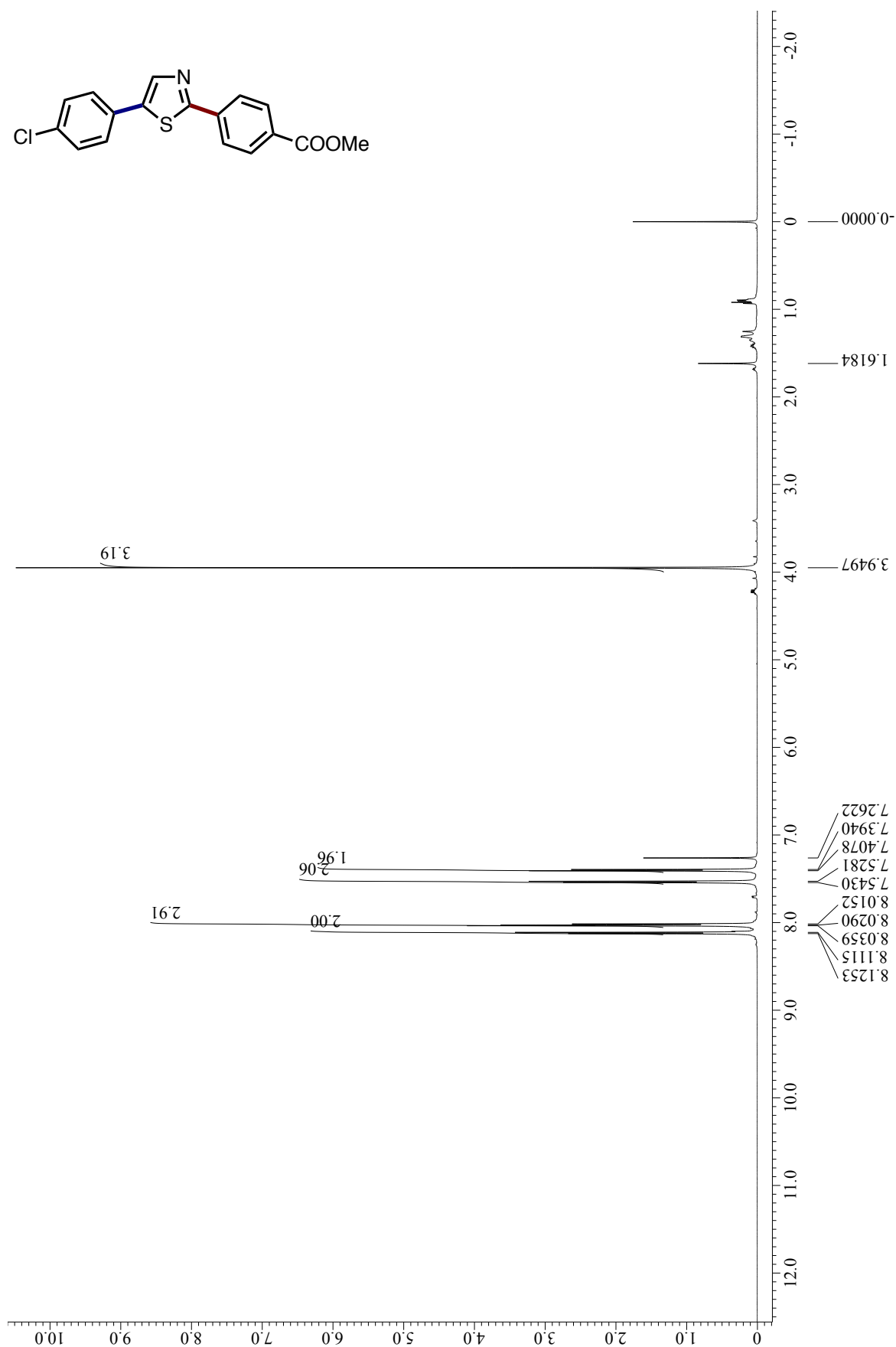
^{13}C NMR (150 MHz, CDCl_3) of 9kn



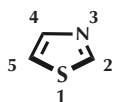


Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

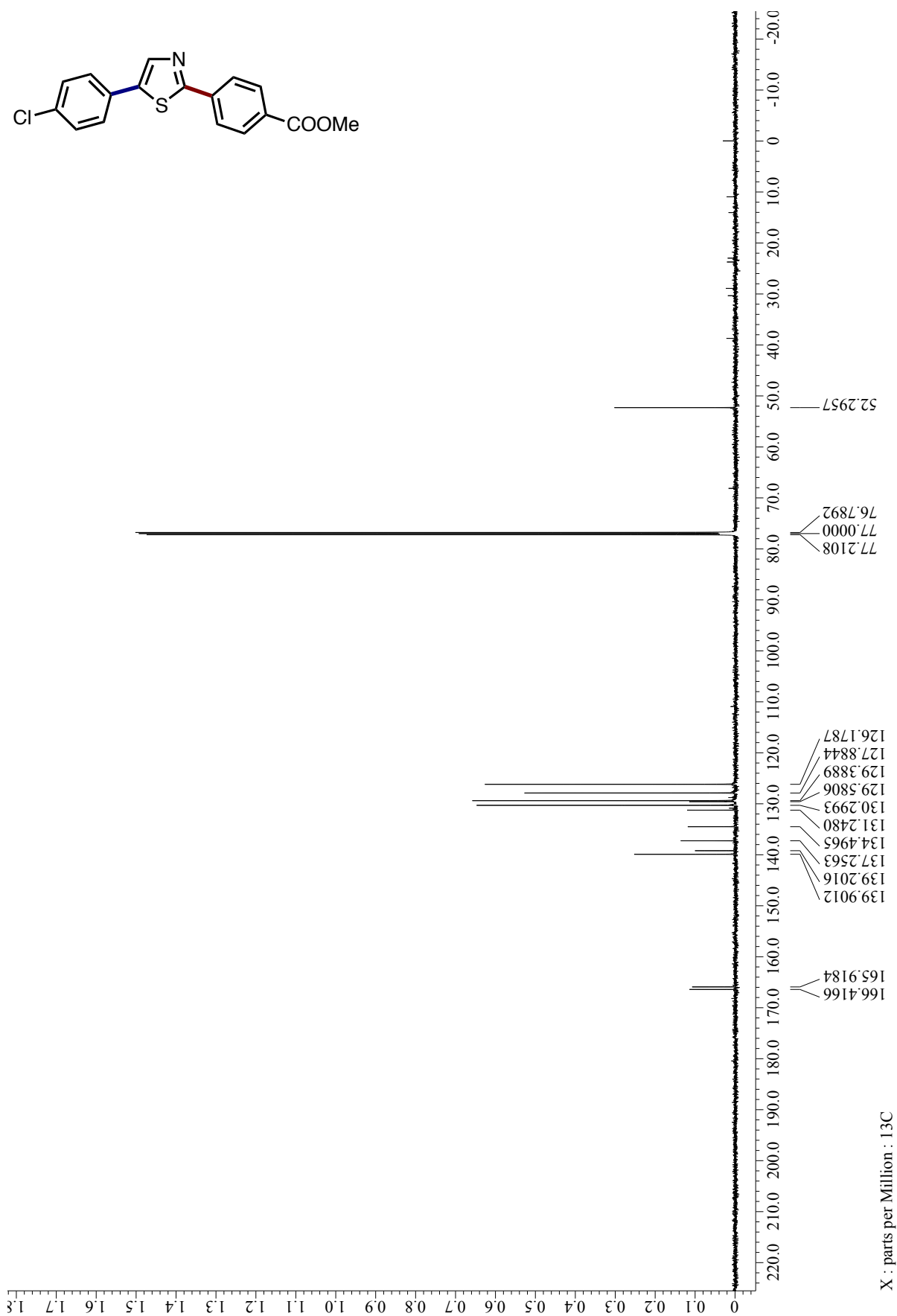
¹H NMR (600 MHz, CDCl₃) of 9nj

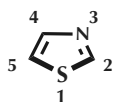


Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings



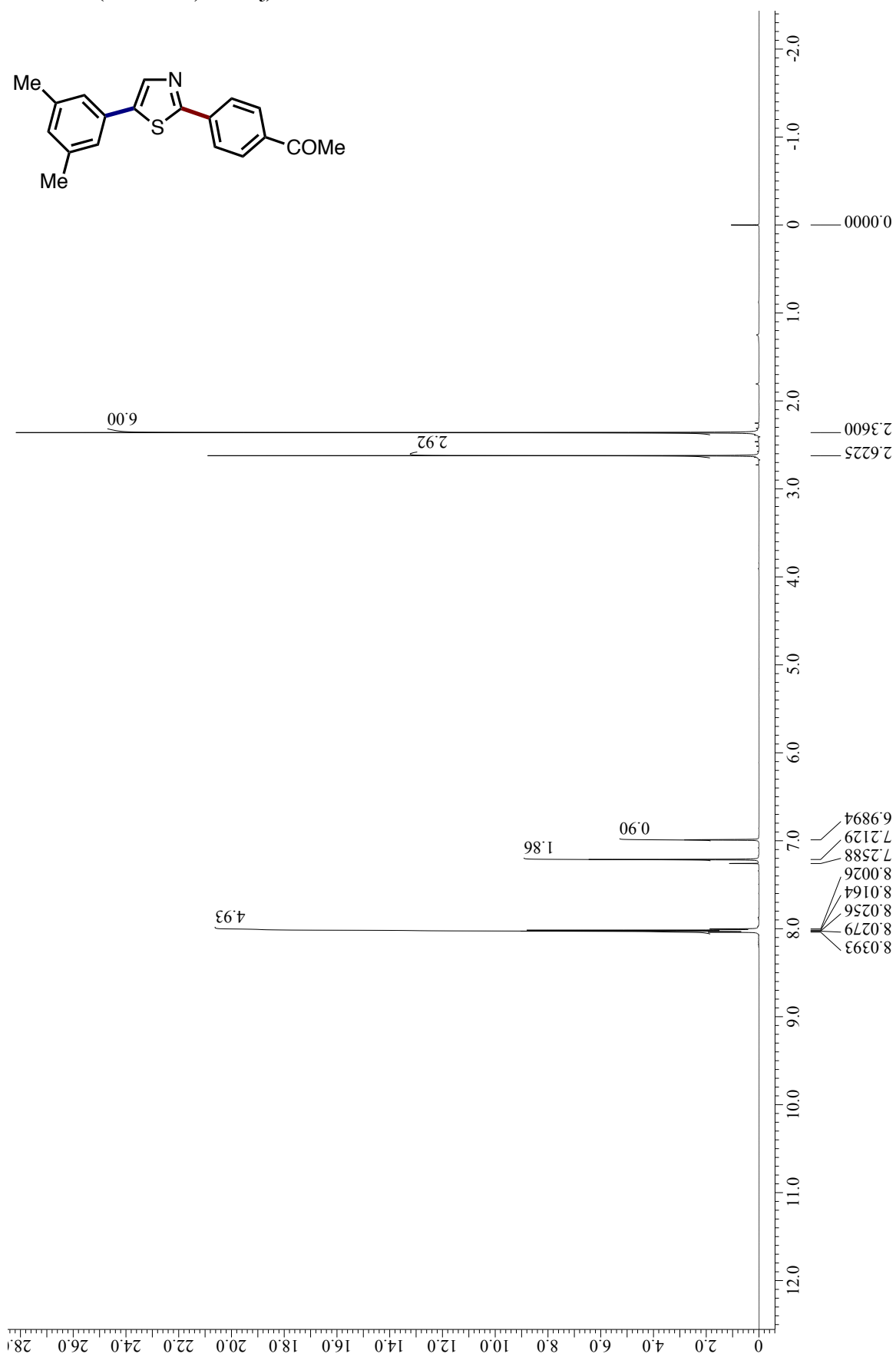
^{13}C NMR (150 MHz, CDCl_3) of **9nj**

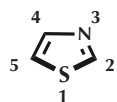




Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

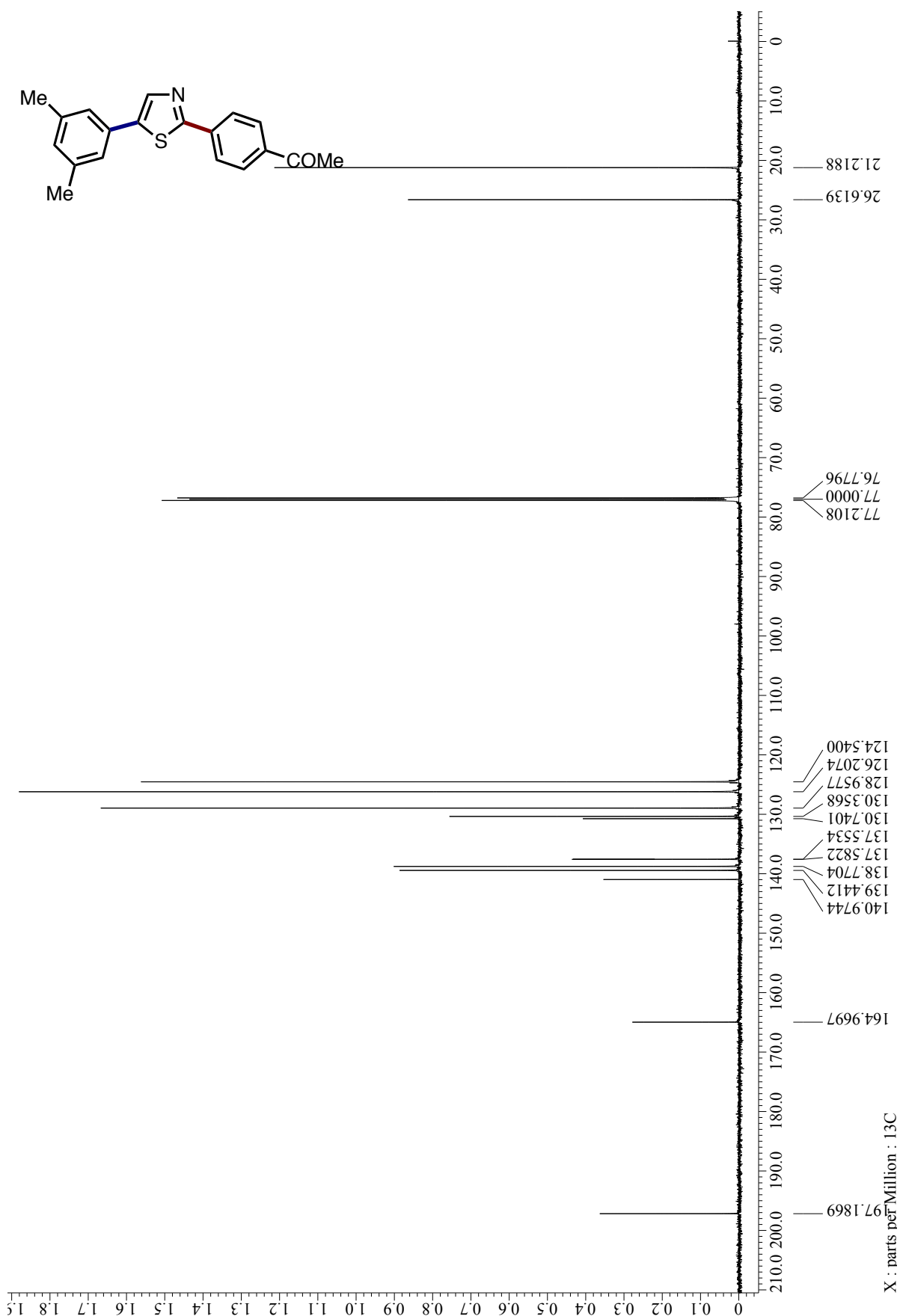
¹H NMR (600 MHz, CDCl₃) of 9oe

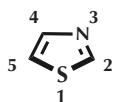




Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

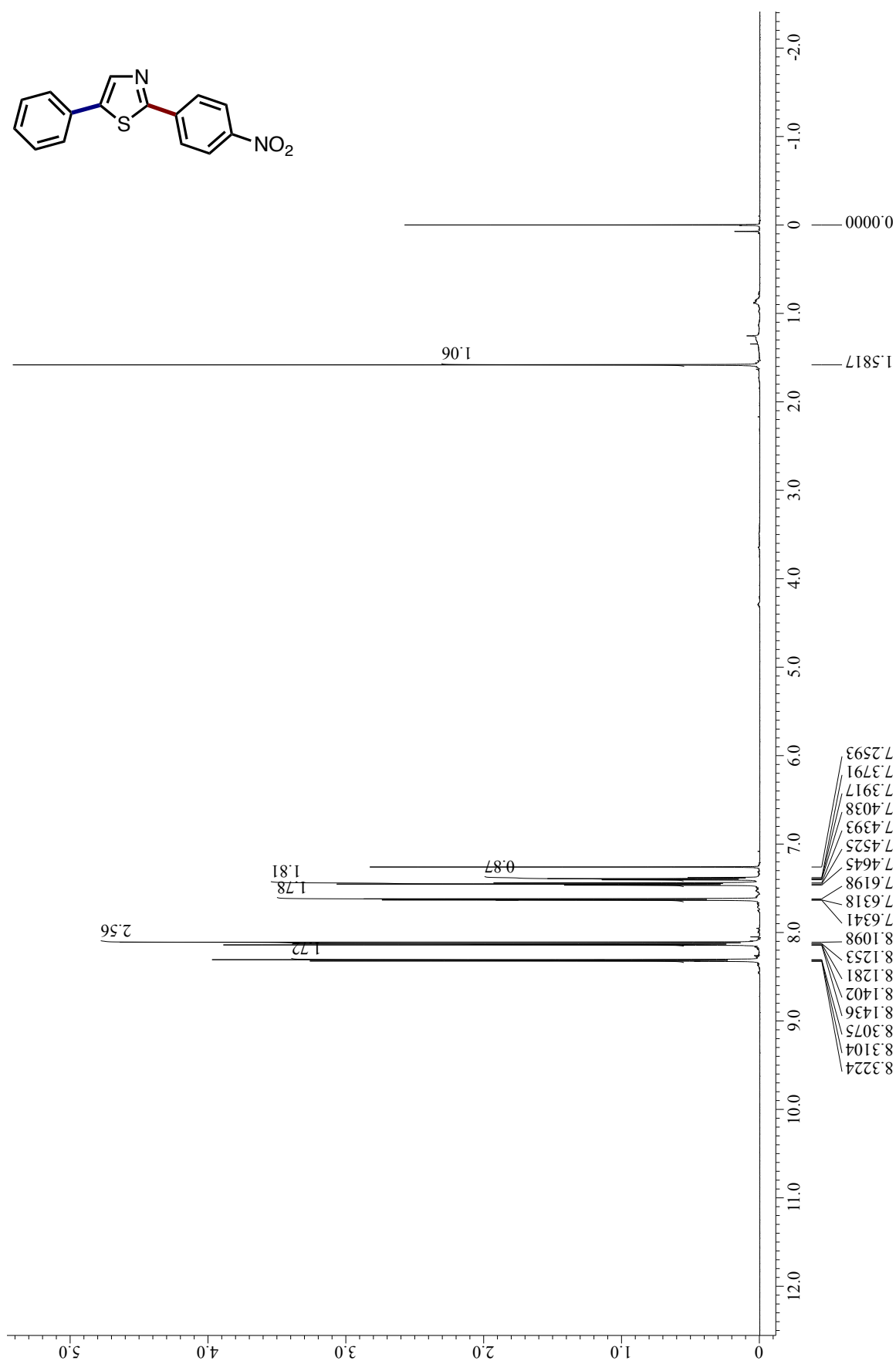
^{13}C NMR (150 MHz, CDCl_3) of **9oe**



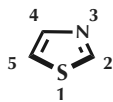


Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

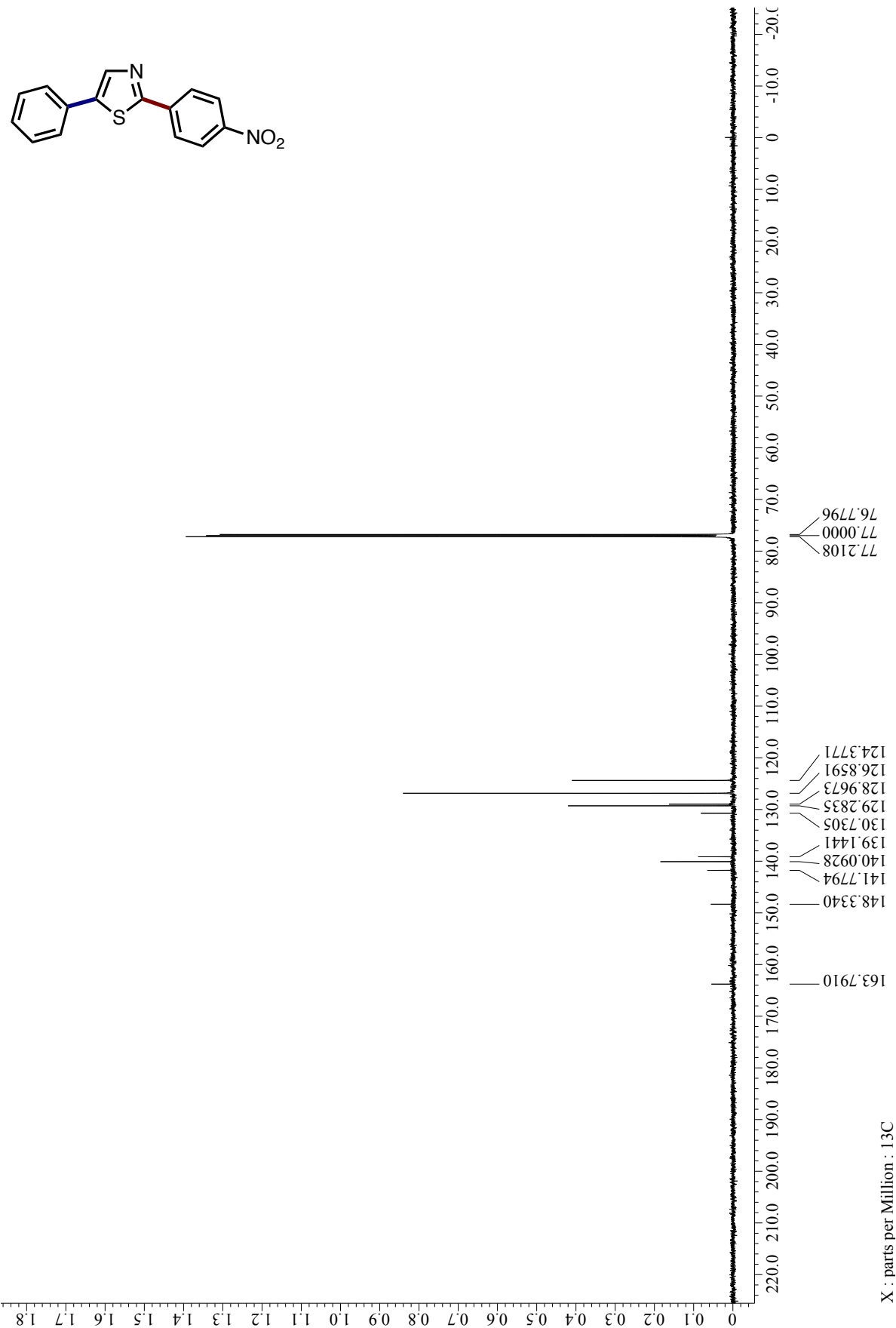
¹H NMR (600 MHz, CDCl₃) of 9qa

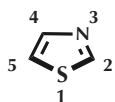


Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings



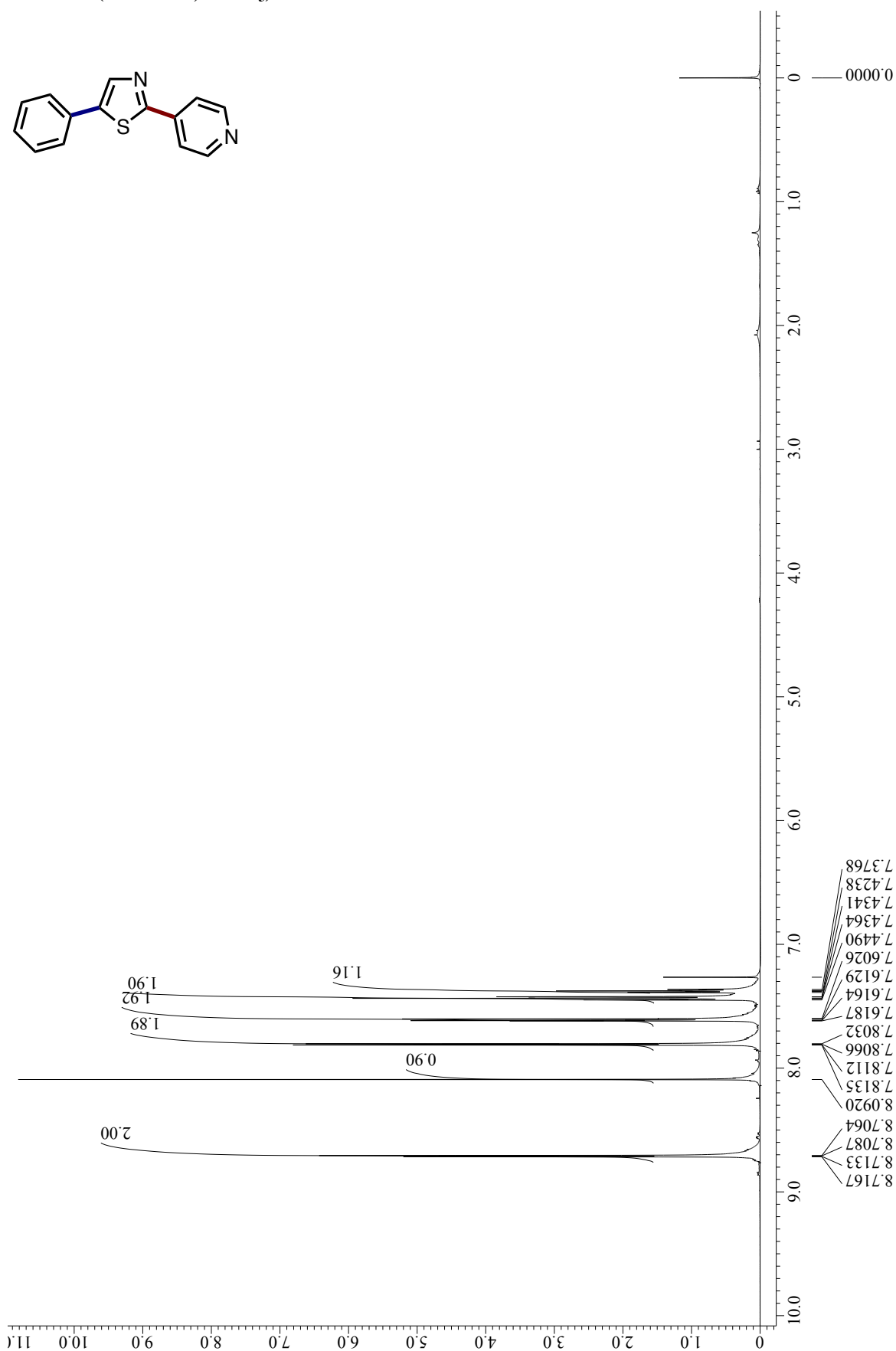
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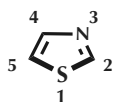




Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

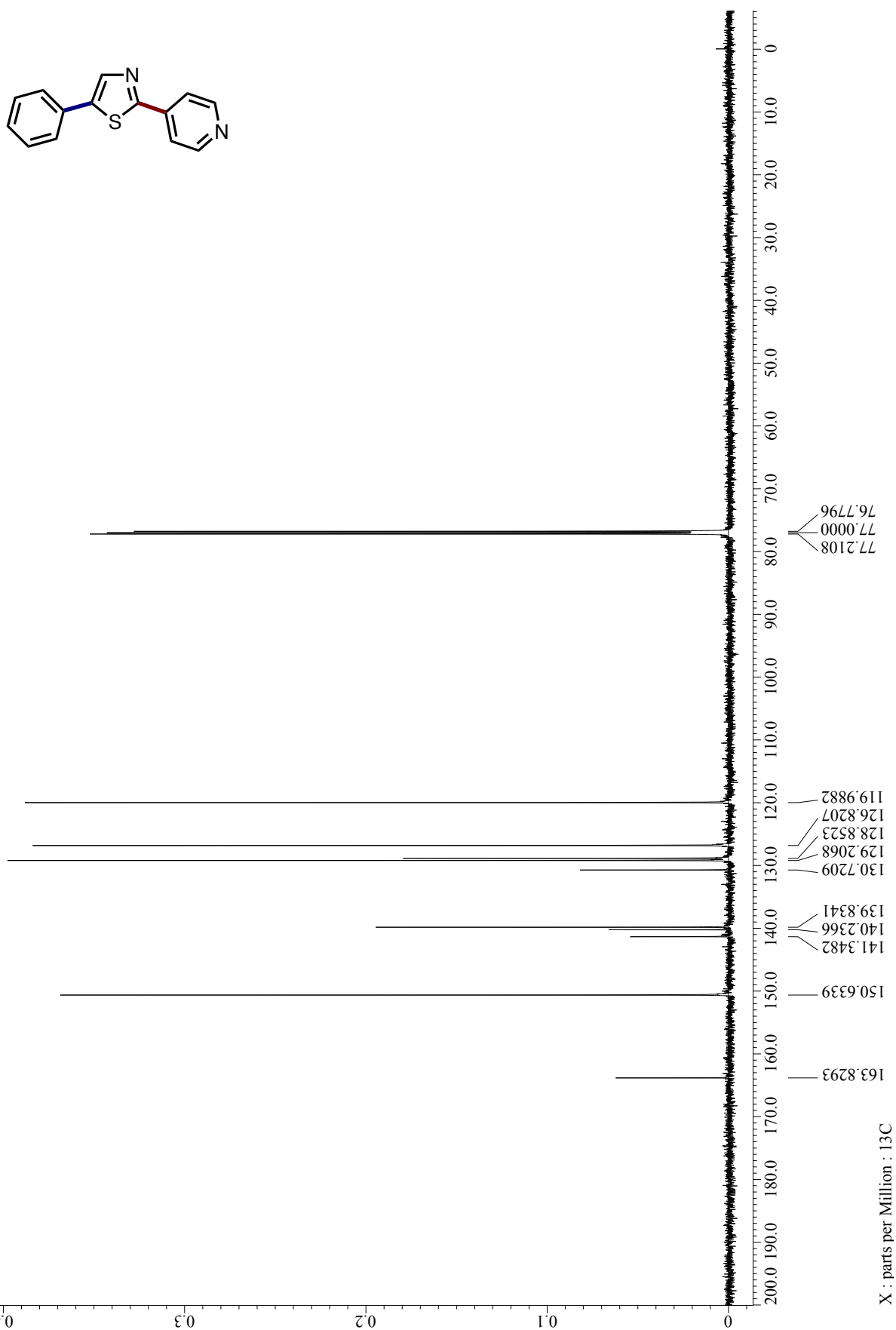
¹H NMR (600 MHz, CDCl₃) of 9ua

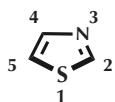




Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

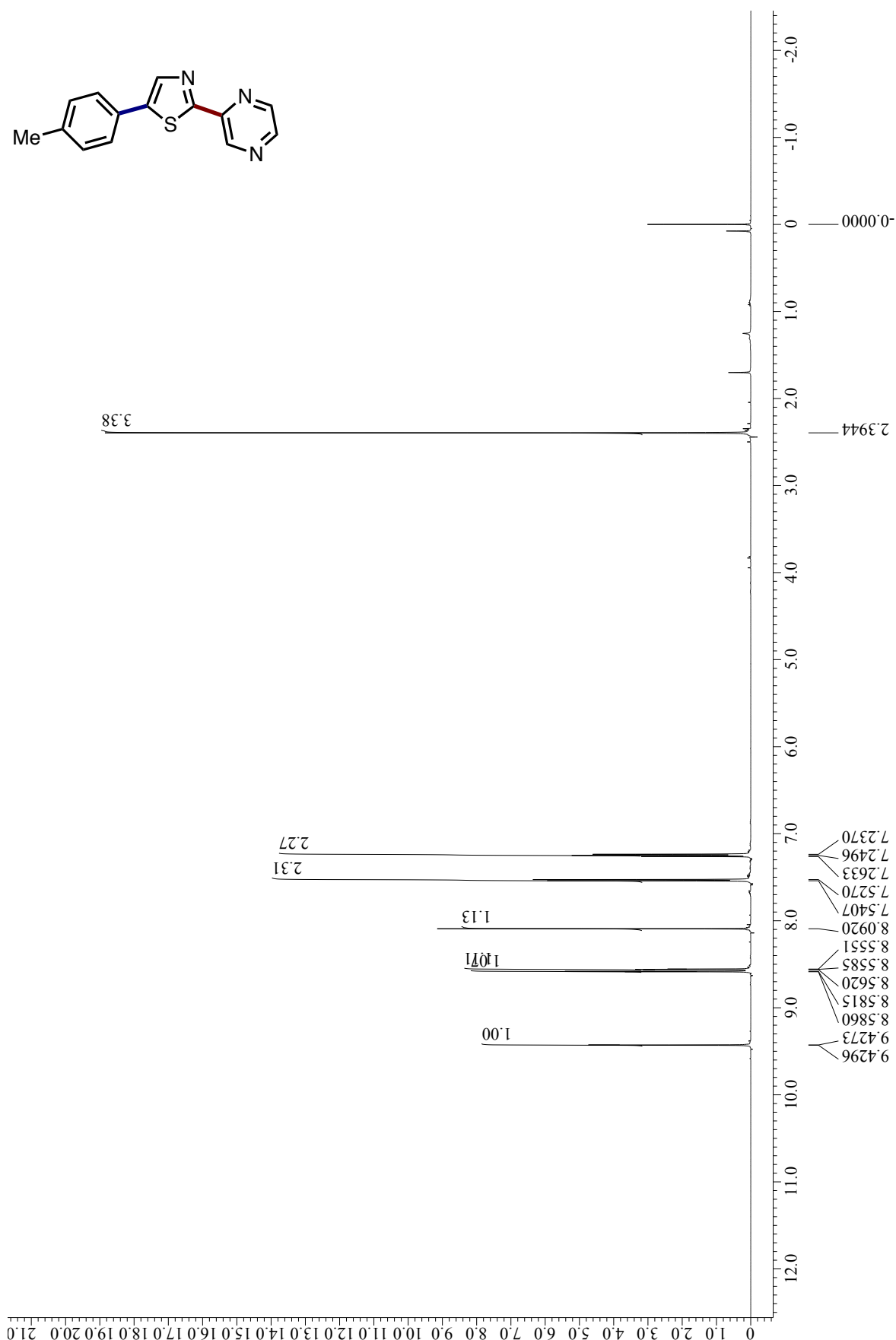
^{13}C NMR (150 MHz, CDCl_3) of **9ua**



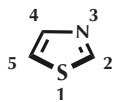


Supporting Information (Tani, Uehara, Yamaguchi, Itami)
Programmed Synthesis of Arylthiazoles through Sequential C–H Couplings

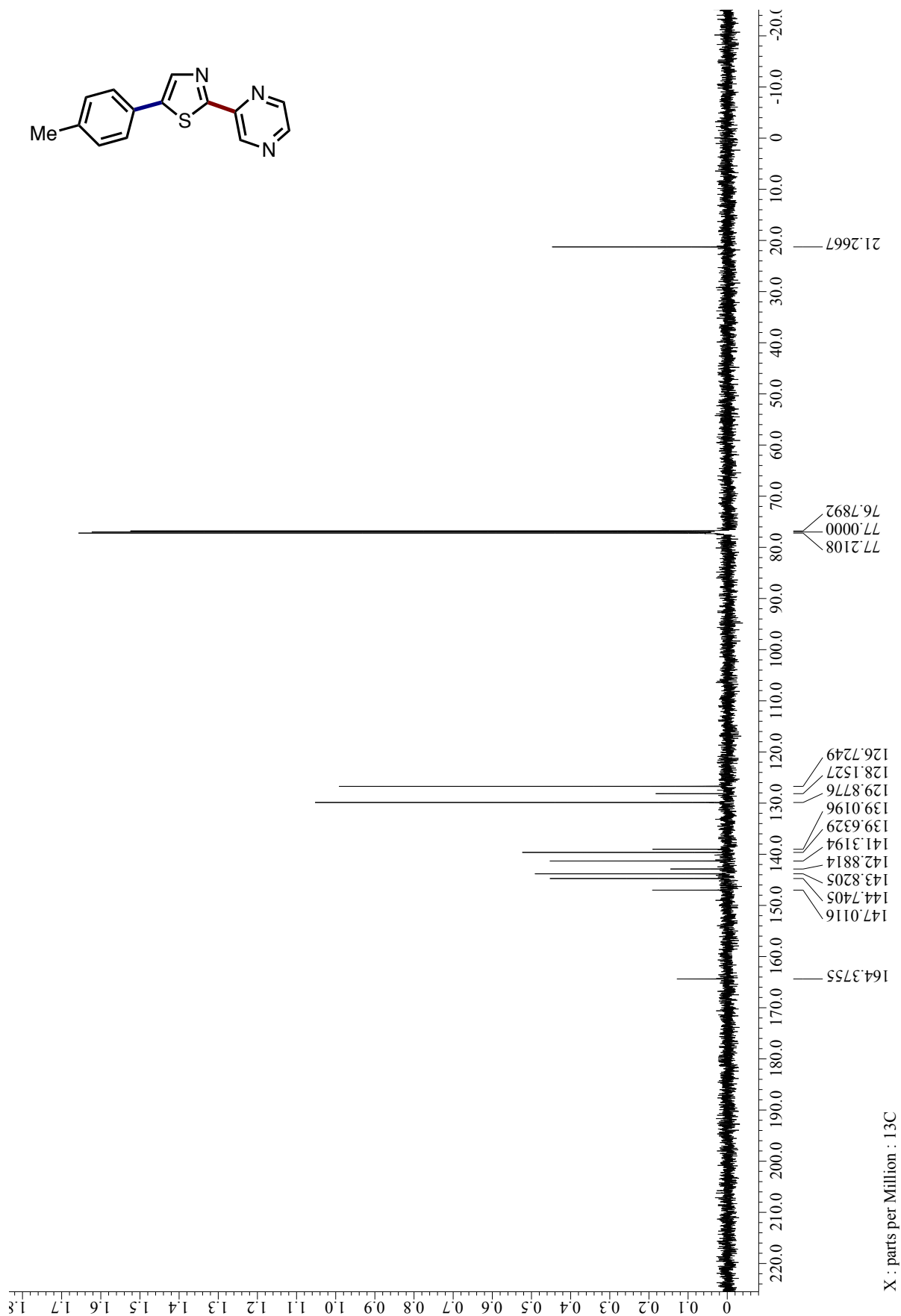
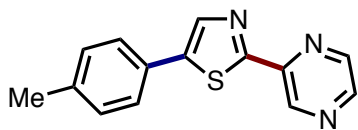
^1H NMR (600 MHz, CDCl_3) of 9vb



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



¹³C NMR (150 MHz, CDCl₃) of 9vb



X : parts per Million : 13C