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

10. ¹H ¹NMR and ¹³C NMR spectra ¹H NMR (600 MHz, CDCl₃) of 3a





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¹³C NMR (150 MHz, CDCl₃) of 3a



₅ **[** 2

¹H NMR (600 MHz, CDCl₃) of 3b



 $5 \begin{pmatrix} 4 & 3 \\ 5 \end{pmatrix} 2$

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

¹³C NMR (150 MHz, CDCl₃) of 3b



5 ⁴

¹H NMR (600 MHz, CDCl₃) of 3c







¹H NMR (600 MHz, CDCl₃) of 3e













¹³C NMR (150 MHz, CDCl₃) of 3f





 $5 \frac{4}{\sqrt{5}} \frac{3}{2}$

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

¹³C NMR (150 MHz, CDCl₃) of 3g



Electronic Supplementary Material (ESI) for Chemical Science This journal is O The Royal Society of Chemistry 2013

5 ⁴ 2

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

¹H NMR (600 MHz, CDCl₃) of 3h



$$5 \xrightarrow{4}_{S} \xrightarrow{N}_{2}^{N} 2$$

¹³C NMR (150 MHz, CDCl₃) of 3h





¹H NMR (600 MHz, CDCl₃) of 3i





¹H NMR (600 MHz, CDCl₃) of 3j



¹³C NMR (150 MHz, CDCl₃) of 3j



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¹H NMR (600 MHz, CDCl₃) of 3k



 $5 \frac{4}{\sqrt{5}} \frac{3}{2} \frac{3}{2}$

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

¹³C NMR (150 MHz, CDCl₃) of 3k





¹H NMR (600 MHz, CDCl₃) of 3n





¹³C NMR (150 MHz, CDCl₃) of 3n





¹H NMR (600 MHz, CDCl₃) of 30







¹H NMR (600 MHz, CDCl₃) of 3p





¹³C NMR (150 MHz, CDCl₃) of 3p



¹H NMR (600 MHz, CDCl₃) of 3q



***** 2

¹³C NMR (150 MHz, CDCl₃) of 3q

S NO2



0.2

0[!]£



¹H NMR (600 MHz, CDCl₃) of 3r







¹H NMR (600 MHz, CDCl₃) of 3t



