## **Electronic Supplementary Information**

## Tin(IV) Chloride Mediated (3+2) Annulation of *trans*-2-Aroyl-3-styrylcyclopropane-1,1-dicarboxylates with Nitriles: Diastereoselective Access to 5-Vinyl-1-pyrroline Derivatives

Murugesan Thangamani, Subaramaniam Thangamalar and Kannupal Srinivasan\*

School of Chemistry, Bharathidasan University, Tiruchirapalli 620 024, Tamil Nadu, India Fax: (+91)-431-2407045; Phone: (+91)-431-2407053-538; Email.id: <u>srinivasank@bdu.ac.in</u>

## Contents



Figure 1. <sup>1</sup>H NMR (400 MHz, CDCl<sub>3</sub>) spectrum of 7a



Figure 2. <sup>13</sup>C NMR (100 MHz, CDCl<sub>3</sub>) spectrum of 7a



Figure 3. <sup>1</sup>H NMR (400 MHz, CDCl<sub>3</sub>) spectrum of 7b



Figure 4. <sup>13</sup>C NMR (100 MHz, CDCl<sub>3</sub>) spectrum of 7b



Figure 5. <sup>13</sup>C NMR (100 MHz, CDCl<sub>3</sub>) spectrum of 7c



Figure 6.<sup>1</sup>H NMR (400 MHz, CDCl<sub>3</sub>) spectrum of 7c



Figure 7. <sup>1</sup>H NMR (400 MHz, CDCl<sub>3</sub>) spectrum of 7d



Figure 8. <sup>13</sup>C NMR (100 MHz, CDCl<sub>3</sub>) spectrum of 7d



Figure 9. <sup>1</sup>H NMR (400 MHz, CDCl<sub>3</sub>) spectrum of 7e



Figure 10. <sup>13</sup>C NMR (100 MHz, CDCl<sub>3</sub>) spectrum of 7e



Figure 11. <sup>1</sup>H NMR (400 MHz, CDCl<sub>3</sub>) spectrum of 7f



Figure 12. <sup>13</sup>C NMR (100 MHz, CDCl<sub>3</sub>) spectrum of 7f



Figure 13. <sup>1</sup>H NMR (400 MHz, CDCl<sub>3</sub>) spectrum of 7g



Figure 14. <sup>13</sup>C NMR (100 MHz, CDCl<sub>3</sub>) spectrum of 7g



Figure 15. <sup>1</sup>H NMR (400 MHz, CDCl<sub>3</sub>) spectrum of 7h



Figure 16. <sup>13</sup>C NMR (100 MHz, CDCl<sub>3</sub>) spectrum of 7h



Figure 17. <sup>1</sup>H NMR (400 MHz, CDCl<sub>3</sub>) spectrum of 7i



Figure 18. <sup>13</sup>C NMR (100 MHz, CDCl<sub>3</sub>) spectrum of 7i



Figure 19. <sup>1</sup>H NMR (400 MHz, CDCl<sub>3</sub>) spectrum of 7j



Figure 20. <sup>13</sup>C NMR (100 MHz, CDCl<sub>3</sub>) spectrum of 7j



Figure 21. <sup>1</sup>H NMR (400 MHz, CDCl<sub>3</sub>) spectrum of 7k



Figure 22. <sup>13</sup>C NMR (100 MHz, CDCl<sub>3</sub>) spectrum of 7k



Figure 23. <sup>1</sup>H NMR (400 MHz, CDCl<sub>3</sub>) spectrum of 7I



Figure 24. <sup>13</sup>C NMR (100 MHz, CDCl<sub>3</sub>) spectrum of 7I



Figure 25. <sup>1</sup>H NMR (400 MHz, CDCl<sub>3</sub>) spectrum of 7m



Figure 26. <sup>13</sup>C NMR (100 MHz, CDCl<sub>3</sub>) spectrum of 7m







Figure 27. <sup>1</sup>H NMR (400 MHz, CDCl<sub>3</sub>) spectrum of 7n



Figure 28. <sup>13</sup>C NMR (100 MHz, CDCl<sub>3</sub>) spectrum of 7n



Figure 29. <sup>1</sup>H NMR (400 MHz, CDCl<sub>3</sub>) spectrum of 70



Figure 30. <sup>13</sup>C NMR (100 MHz, CDCl<sub>3</sub>) spectrum of 70



Figure 31. <sup>1</sup>H NMR (400 MHz, CDCl<sub>3</sub>) spectrum of **7p** 



Figure 32. <sup>13</sup>C NMR (100 MHz, CDCl<sub>3</sub>) spectrum of 7p



Figure 33. <sup>1</sup>H NMR (400 MHz, CDCl<sub>3</sub>) spectrum of 7q



Figure 34. <sup>13</sup>C NMR (100 MHz, CDCl<sub>3</sub>) spectrum of 7q



Figure 35. <sup>1</sup>H NMR (400 MHz, CDCl<sub>3</sub>) spectrum of 8



Figure 36. <sup>13</sup>C NMR (100 MHz, CDCl<sub>3</sub>) spectrum of 8