

Supporting Information

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Asymmetric transfer hydrogenation of a new *N*-tosyltetrahydrocarbazole-1-one ester with the Noyori-Ikariya catalyst

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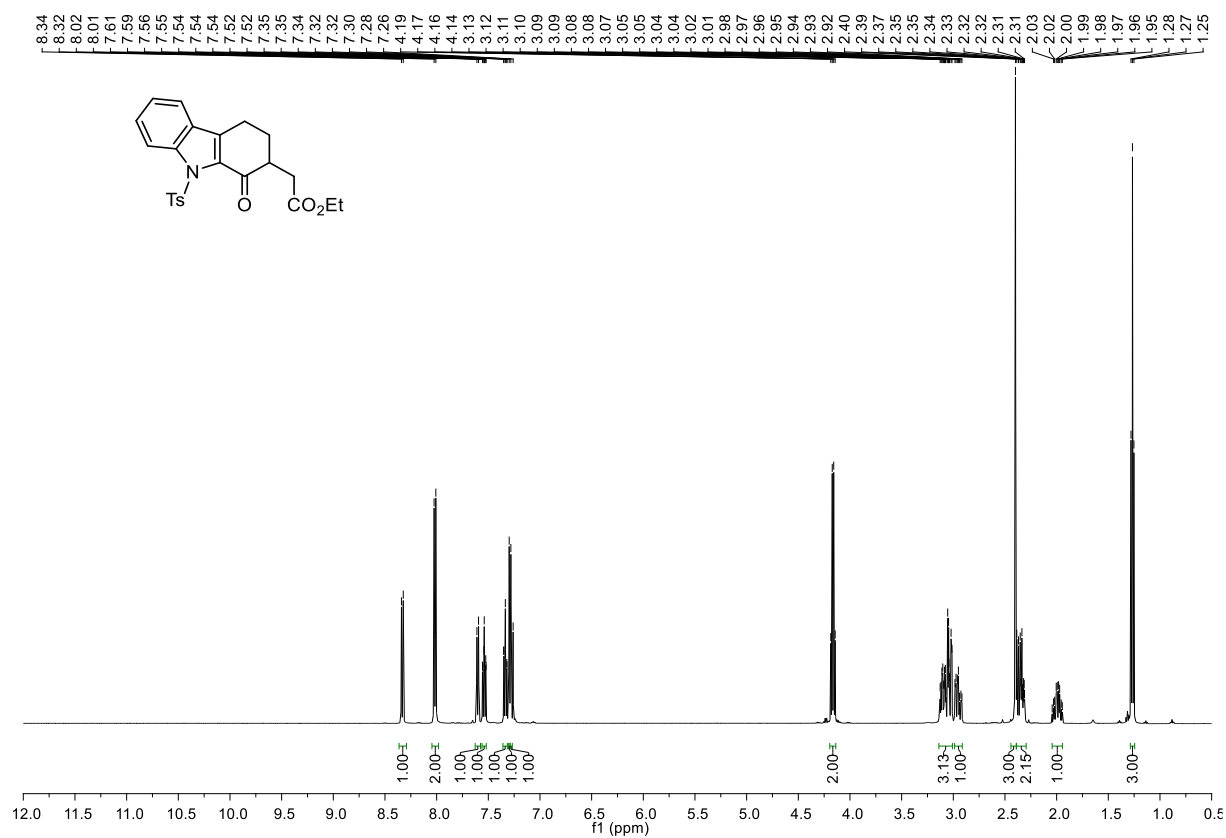


Figure S1: ^1H -NMR Spectrum of (±)-6 (500 MHz, CDCl_3)

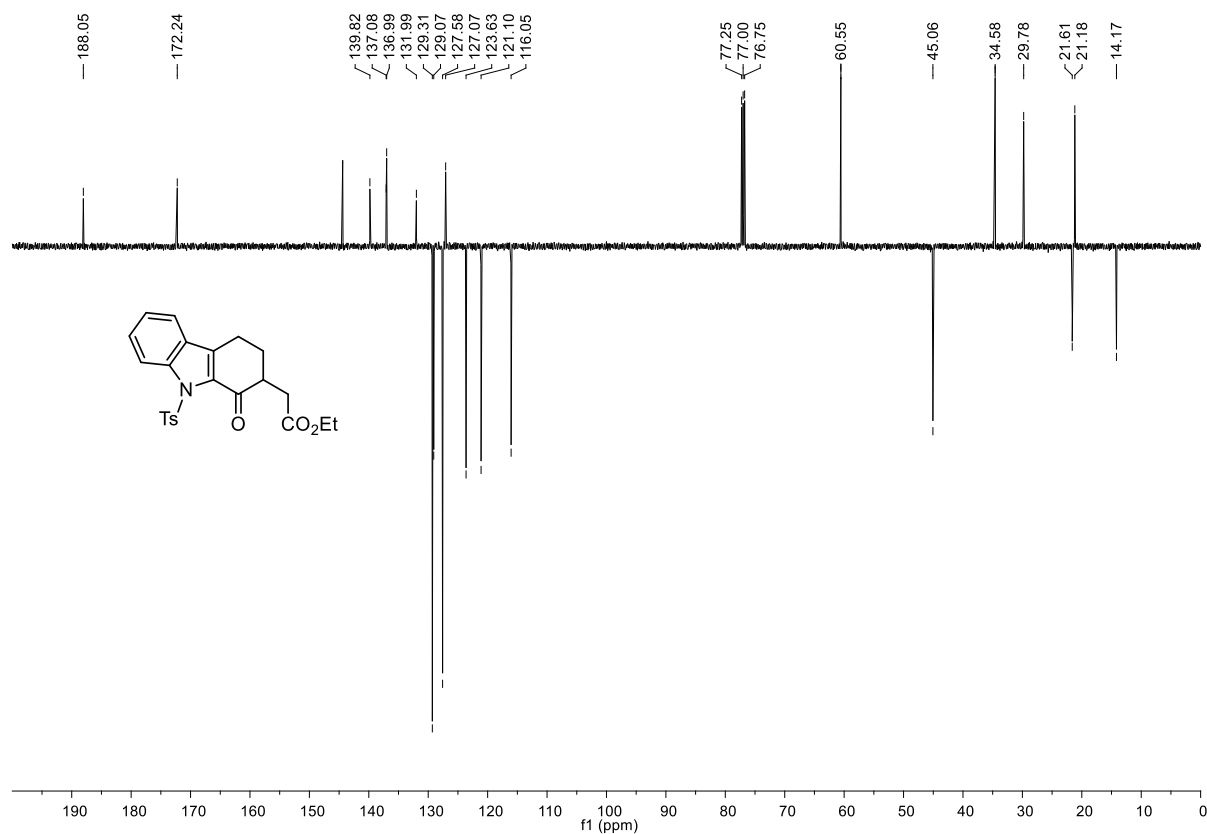


Figure S2: ¹³C{¹H} NMR Spectrum of (±)-**6** (APT, 125 MHz CDCl₃)

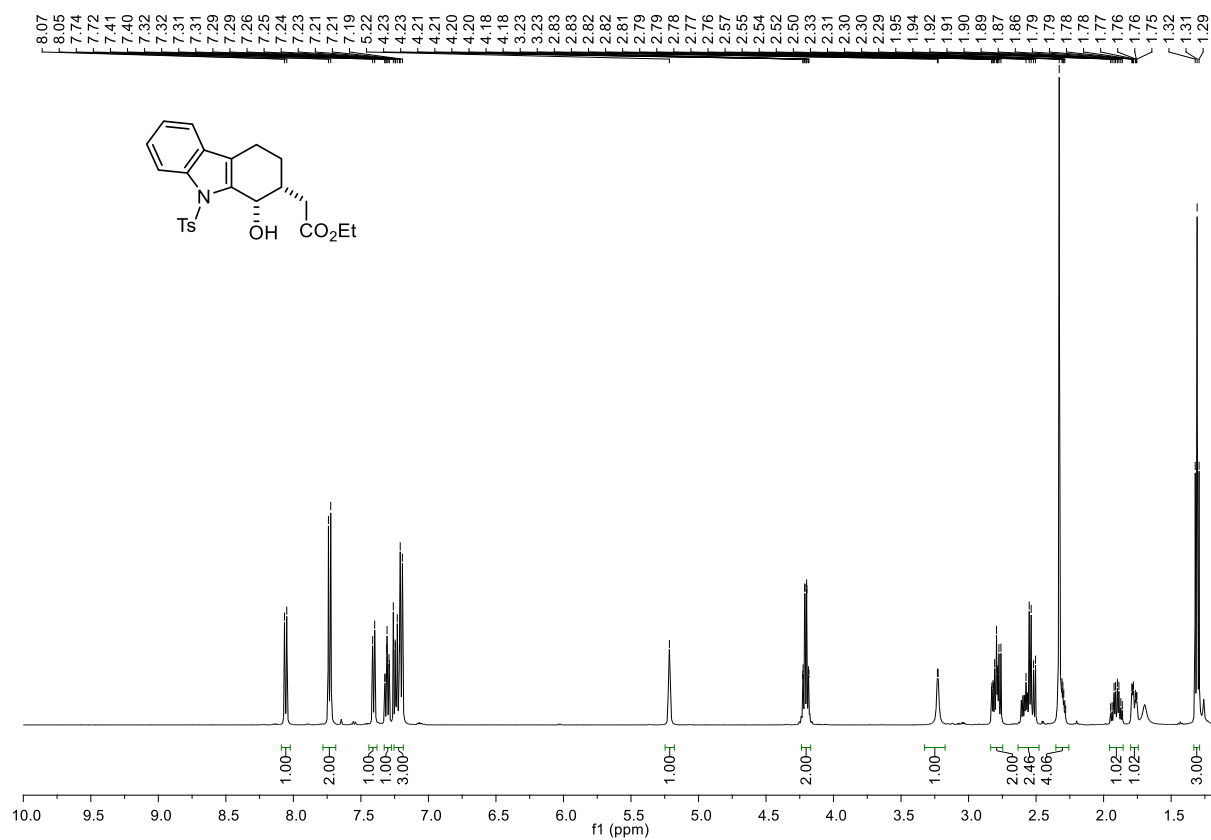


Figure S3: ¹H-NMR Spectrum of (±)-7 (500 MHz, CDCl₃)

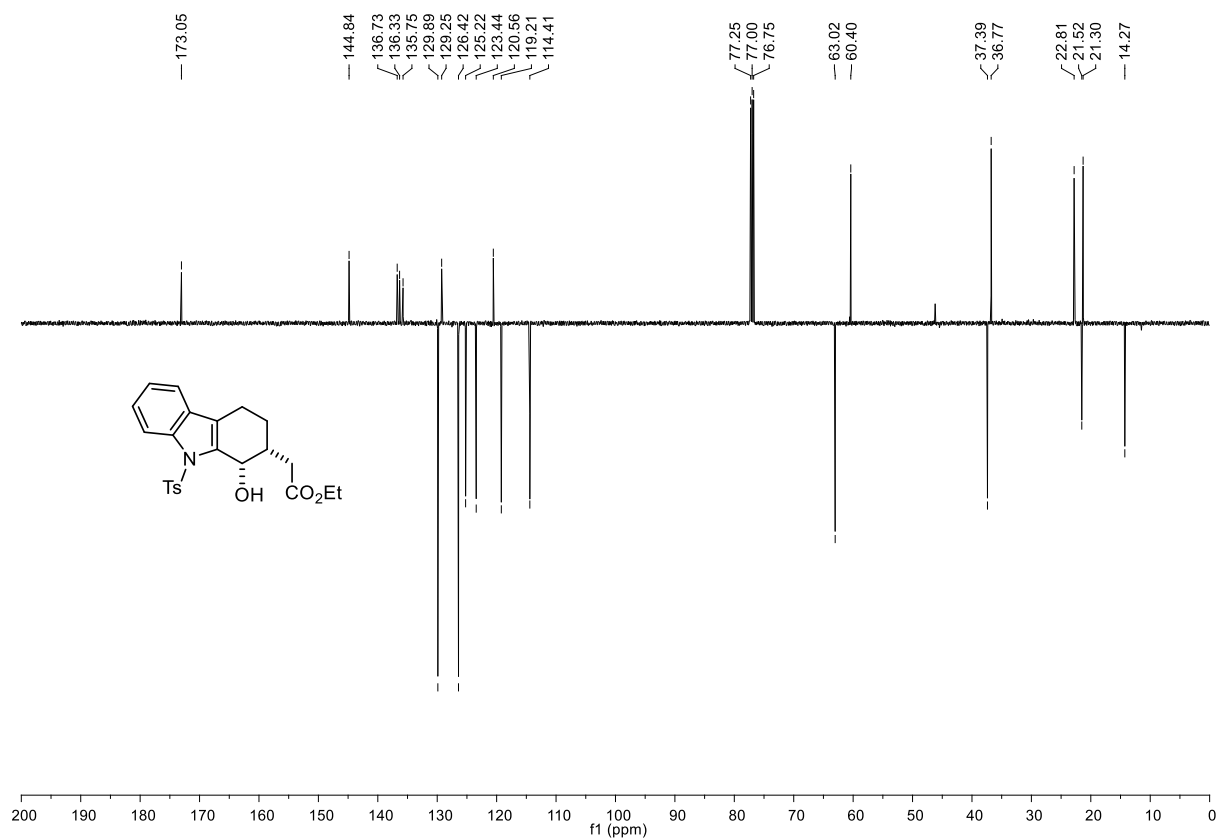


Figure S4: ¹³C{¹H} NMR Spectrum of (±)-**7** (APT, 125 MHz CDCl₃)

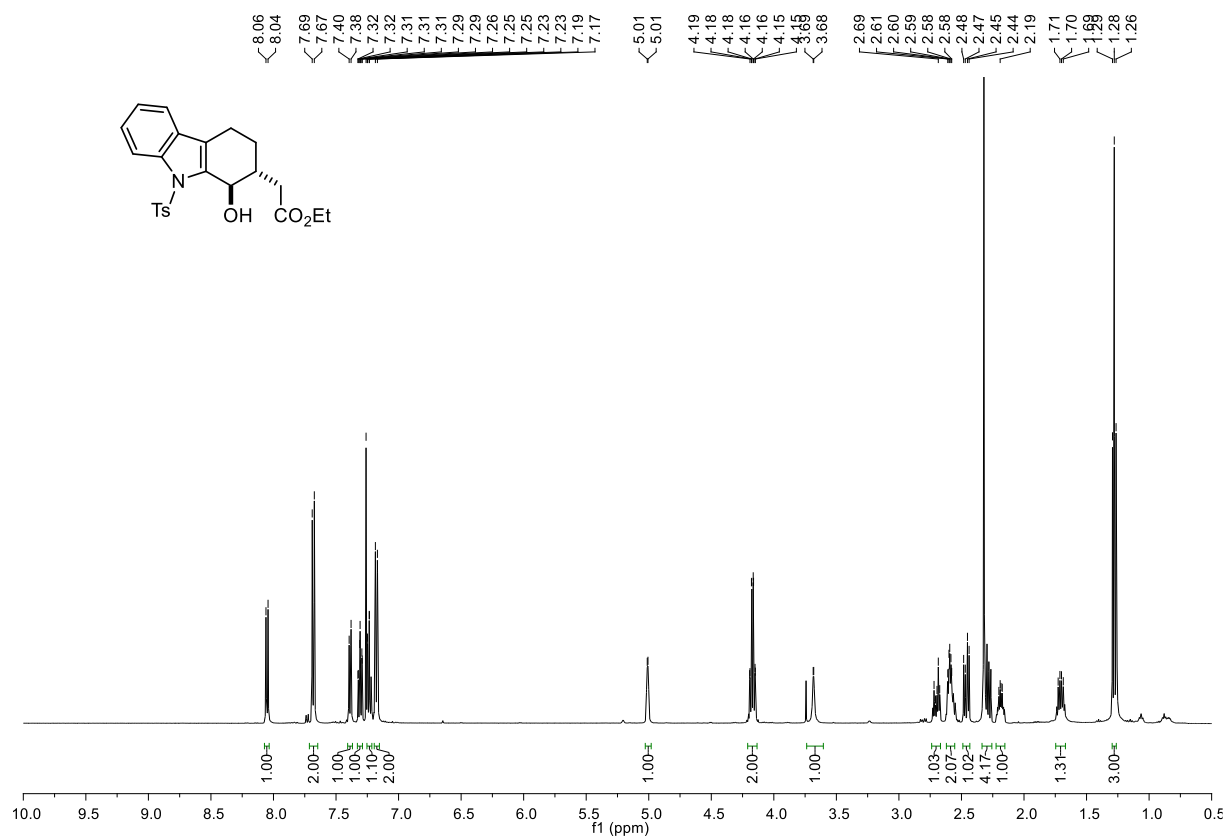


Figure S5: ¹H-NMR Spectrum of (±)-**8** (500 MHz, CDCl₃)

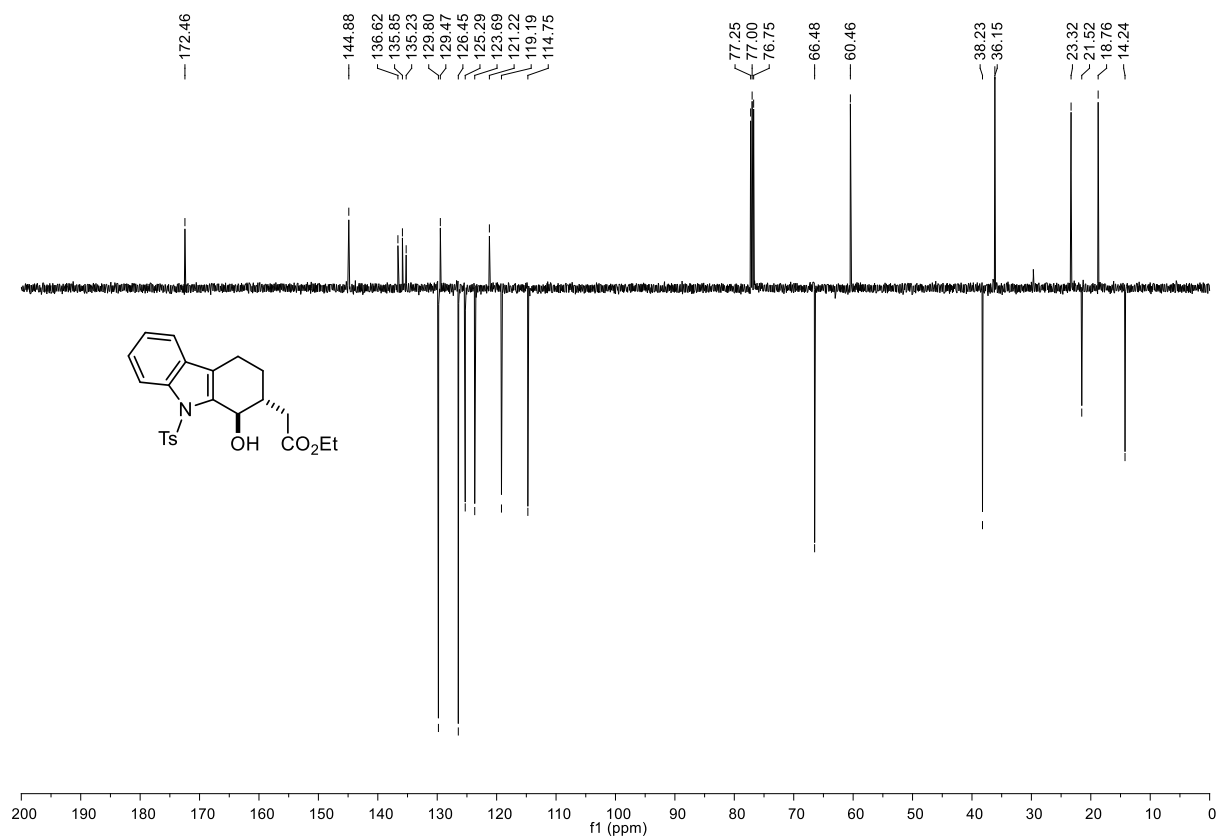


Figure S6: $^{13}\text{C}\{^1\text{H}\}$ NMR Spectrum of (\pm)-**8** (APT, 125 MHz CDCl_3)

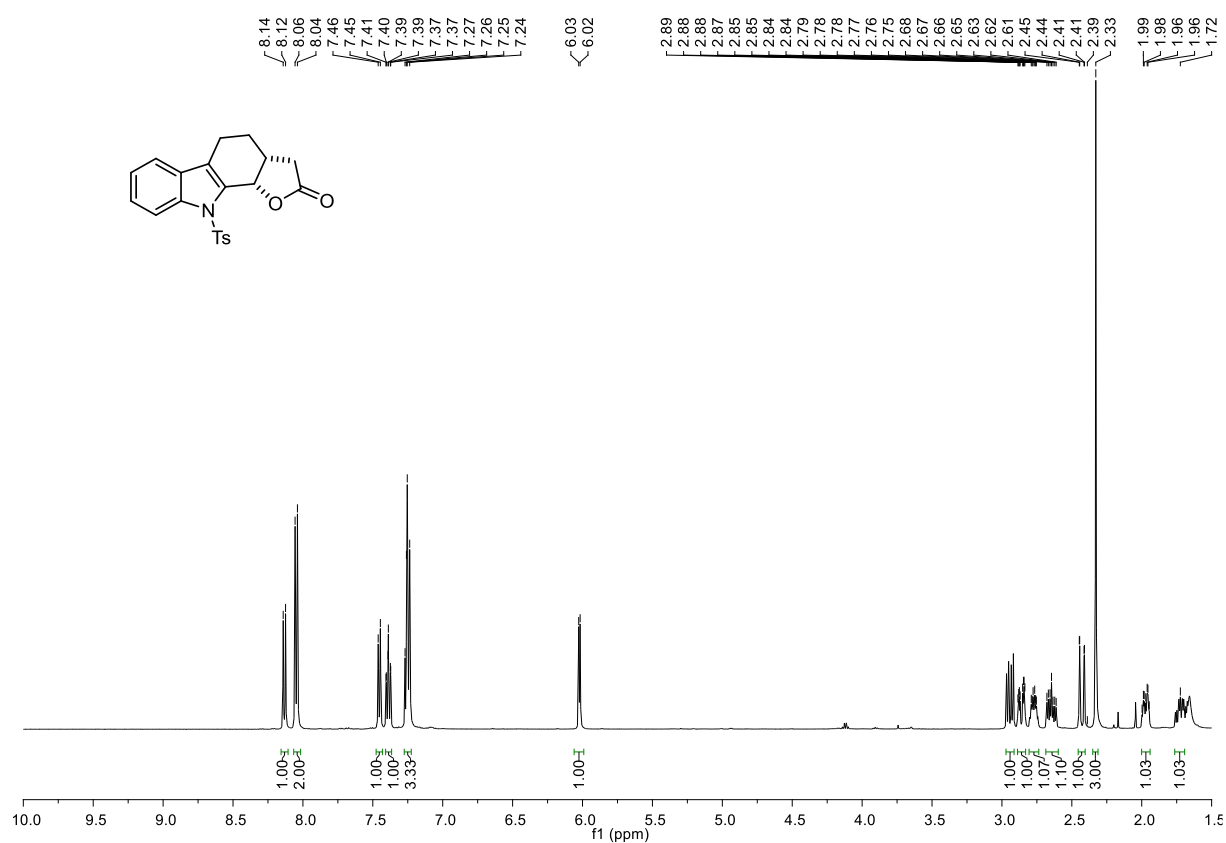


Figure S7: ^1H -NMR Spectrum of (±)-**9** (500 MHz, CDCl_3)

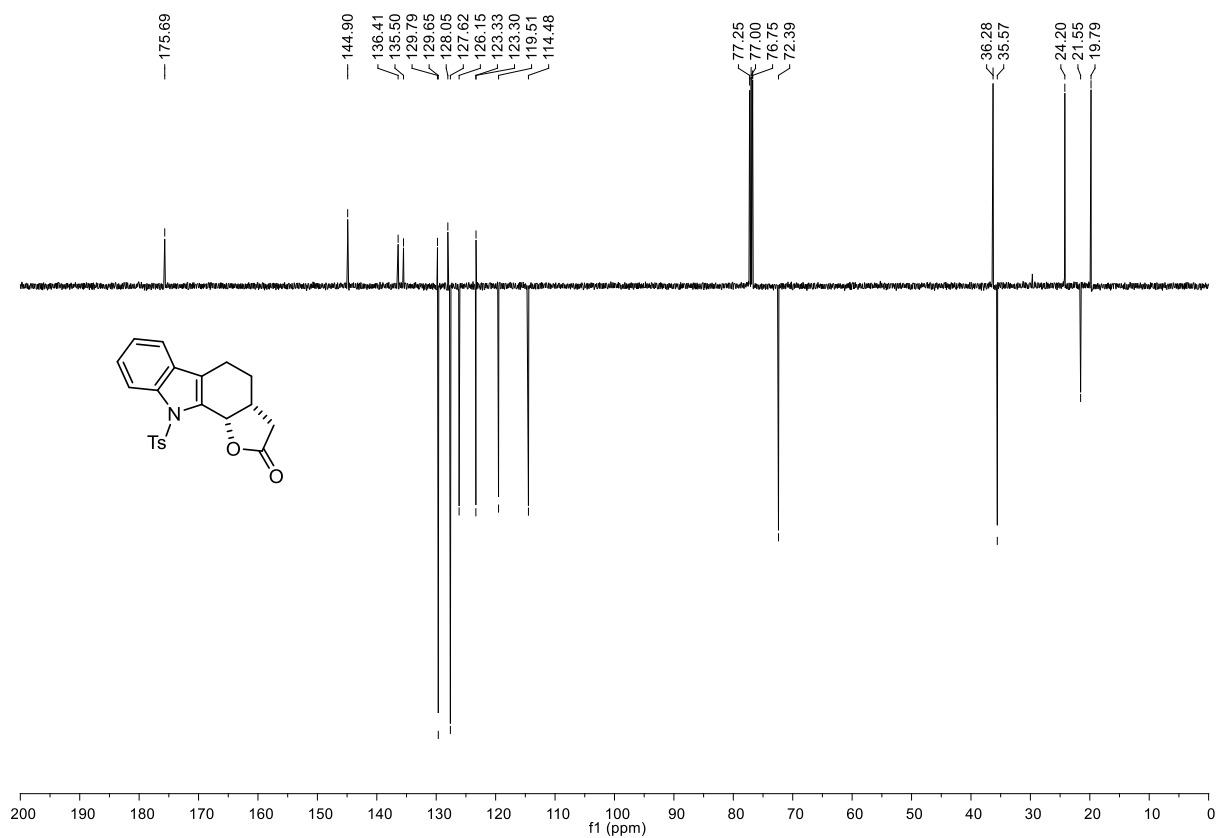


Figure S8: $^{13}\text{C}\{^1\text{H}\}$ NMR Spectrum of (\pm)-**9** (APT, 125 MHz CDCl_3)

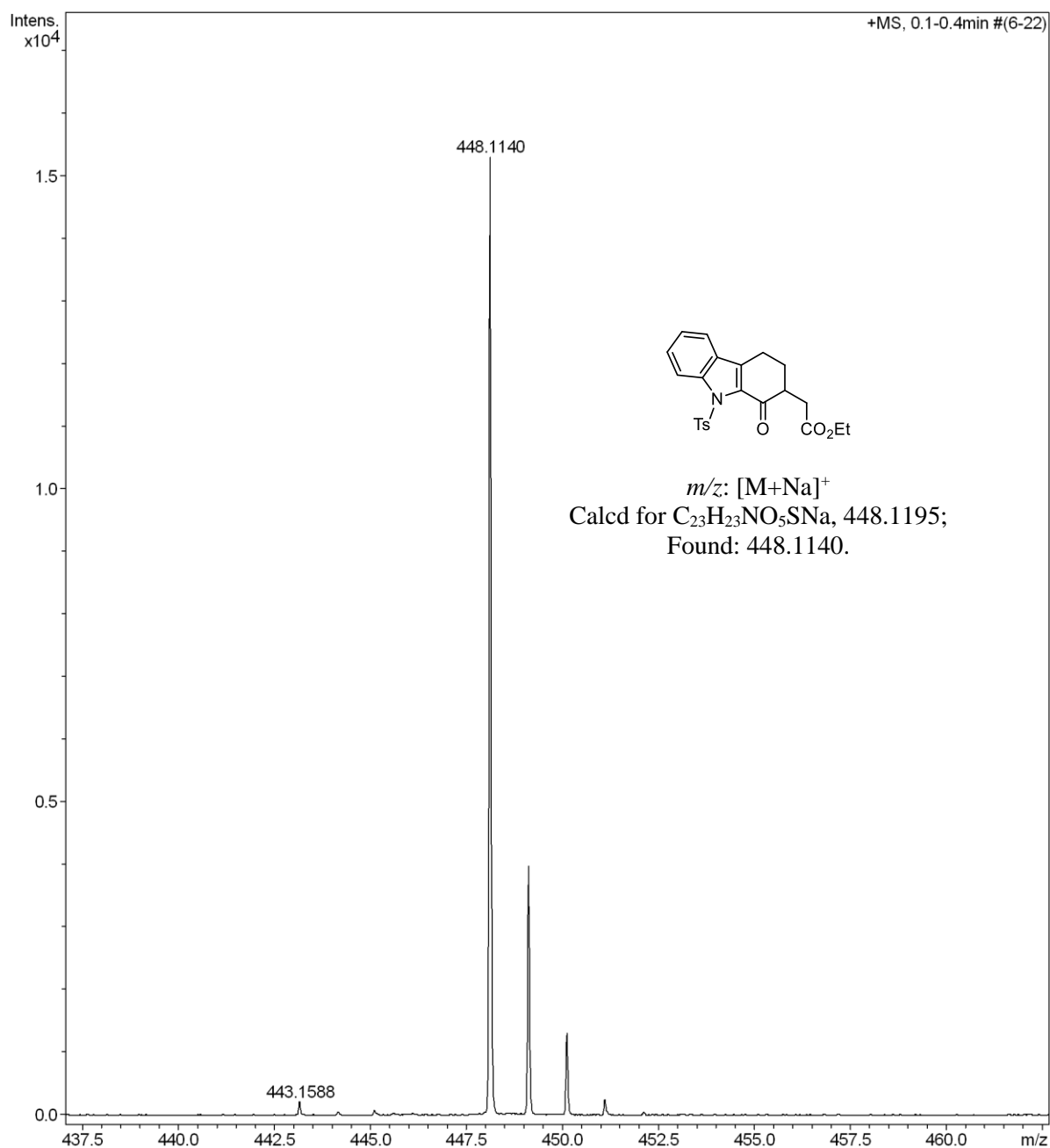


Figure S9: HR-MS (ESI^+) Spectrum of (\pm)-**6**

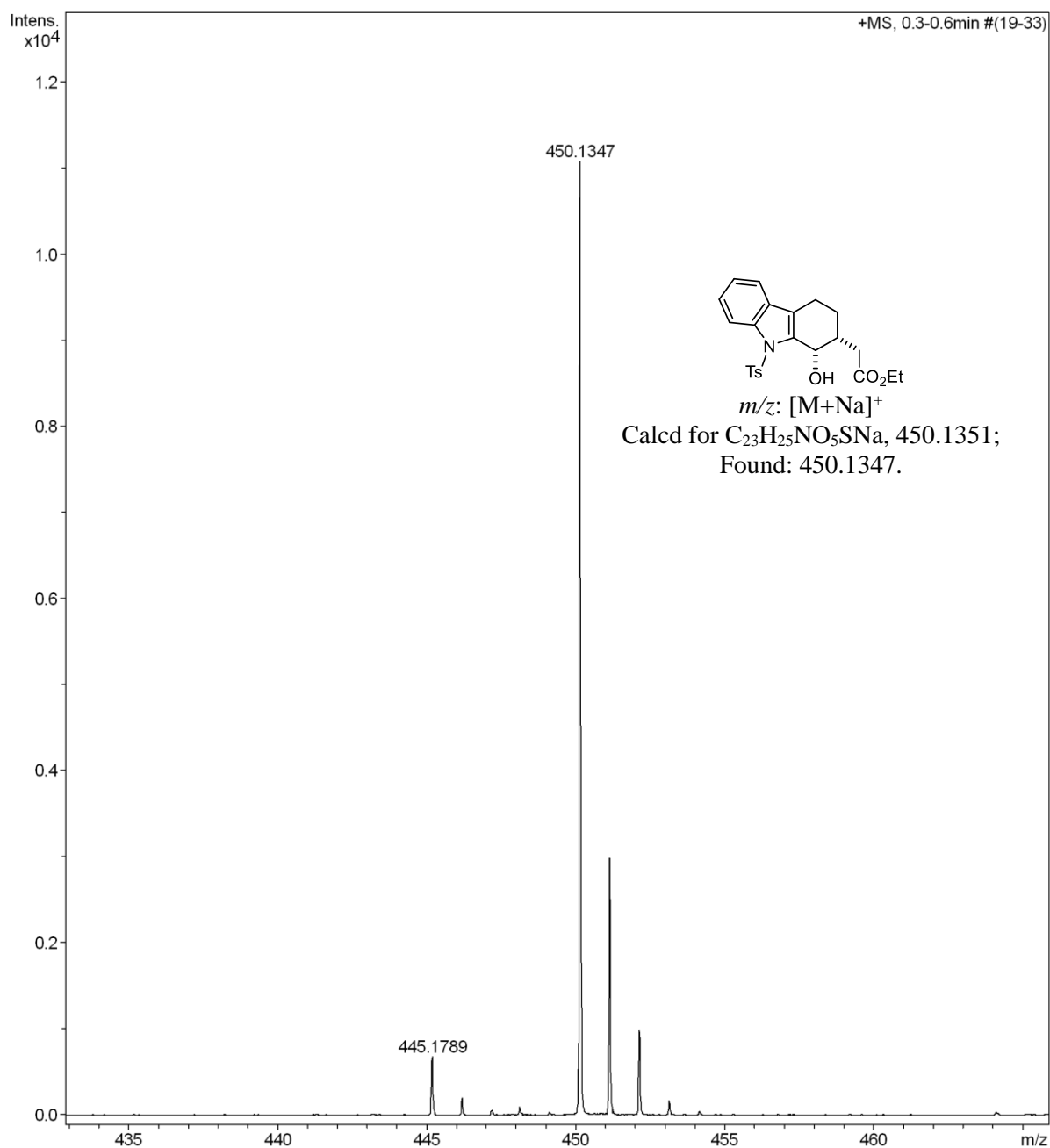


Figure S10: HR-MS (ESI⁺) Spectrum of (±)-**7** and (±)-**8**

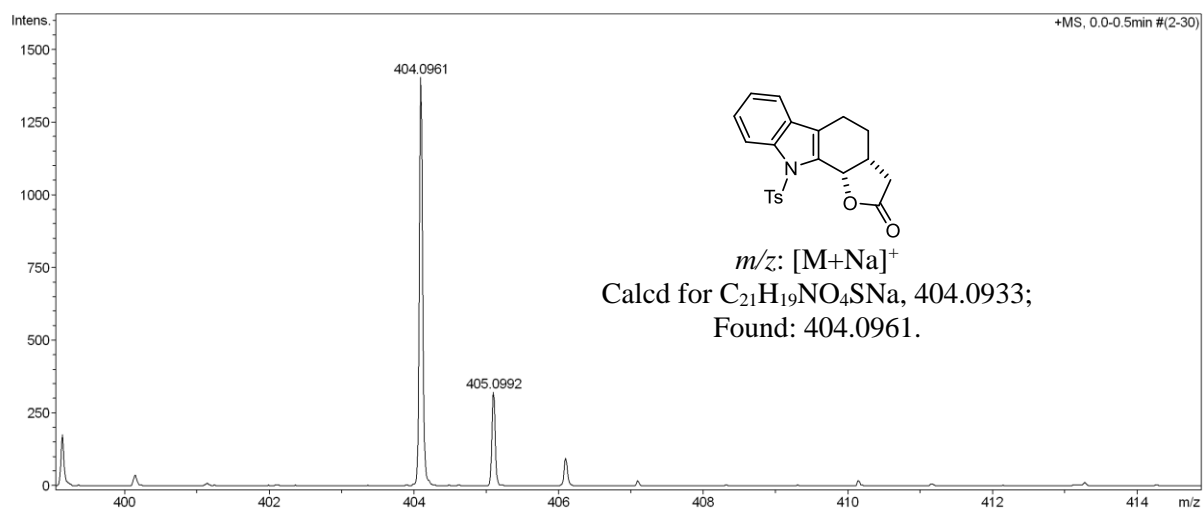


Figure S11: HR-MS (ESI⁺) Spectrum of (±)-**9**

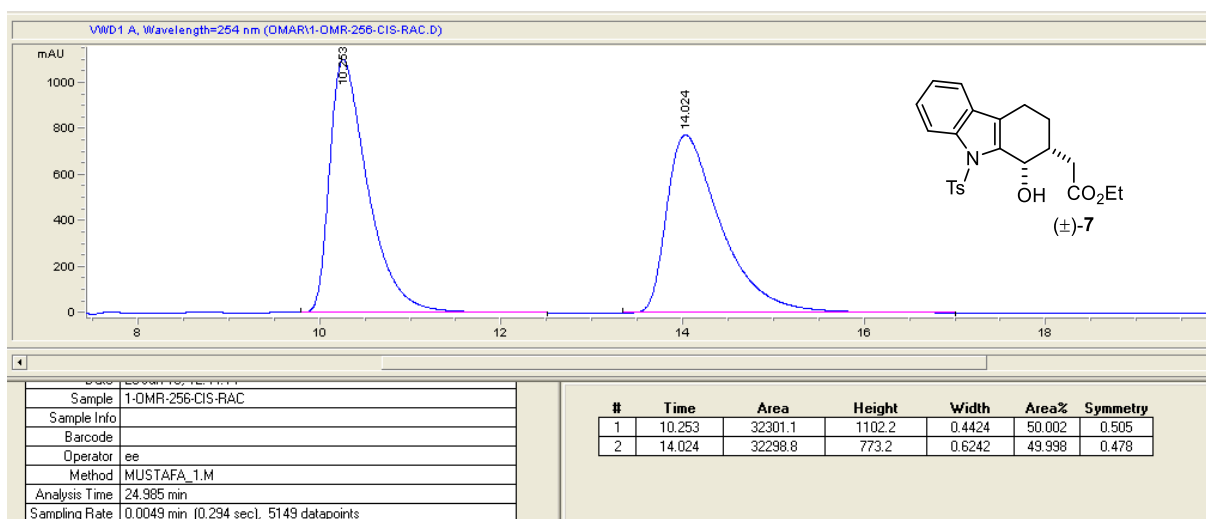


Figure S12: HPLC chromatogram of (±)-7

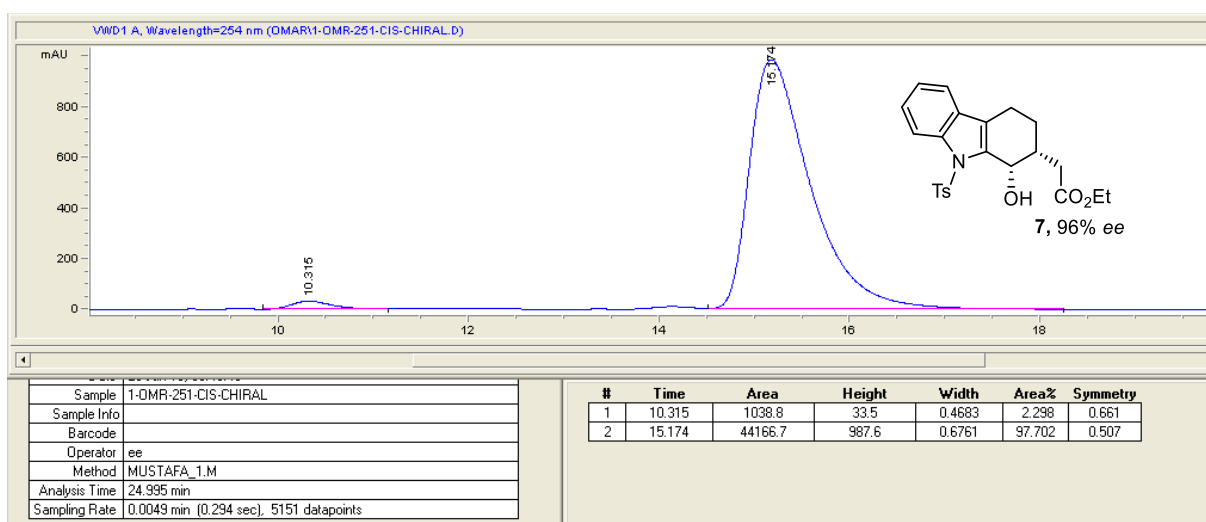


Figure S13: HPLC chromatogram of 7

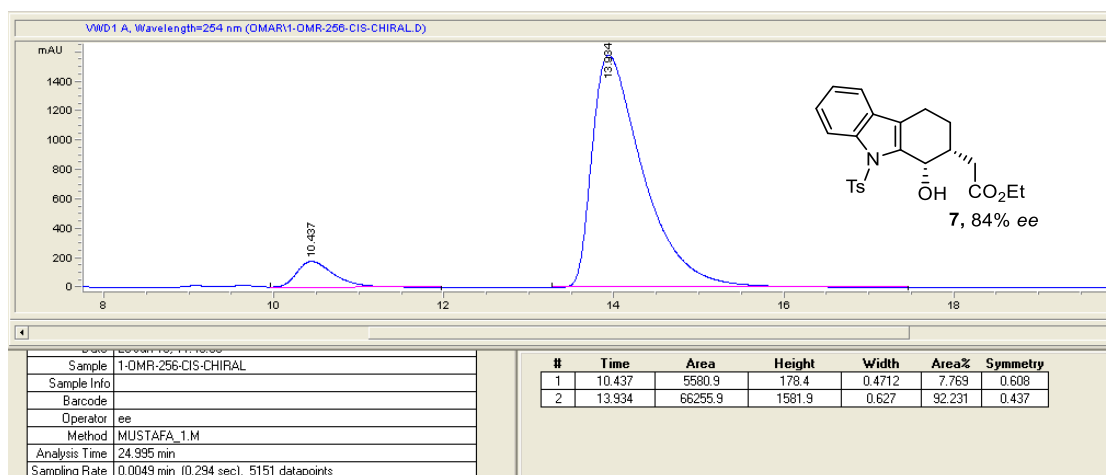


Figure S14: HPLC chromatogram of 7

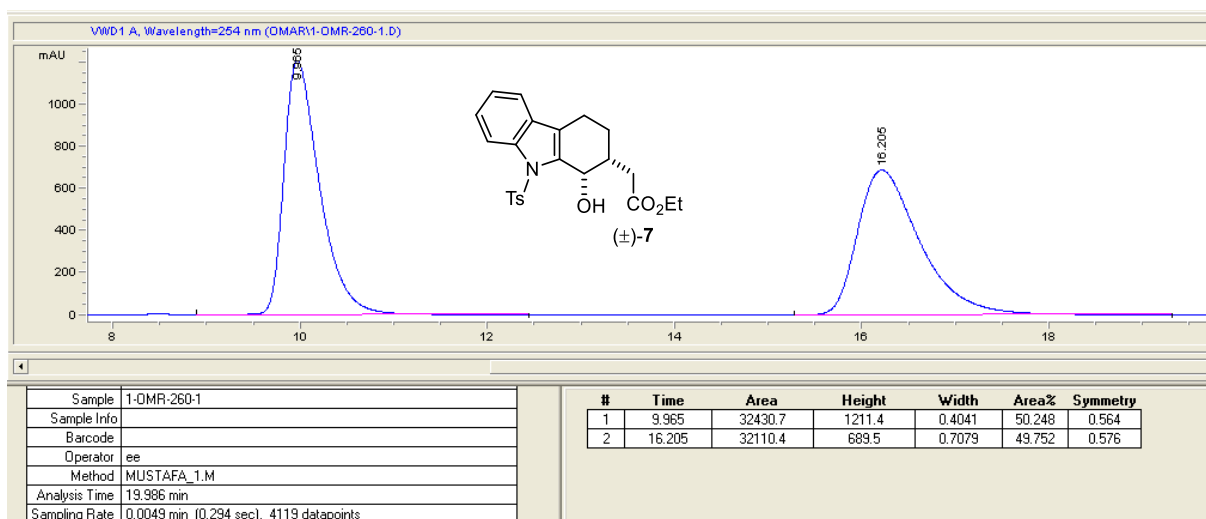


Figure S15: HPLC chromatogram of (±)-7

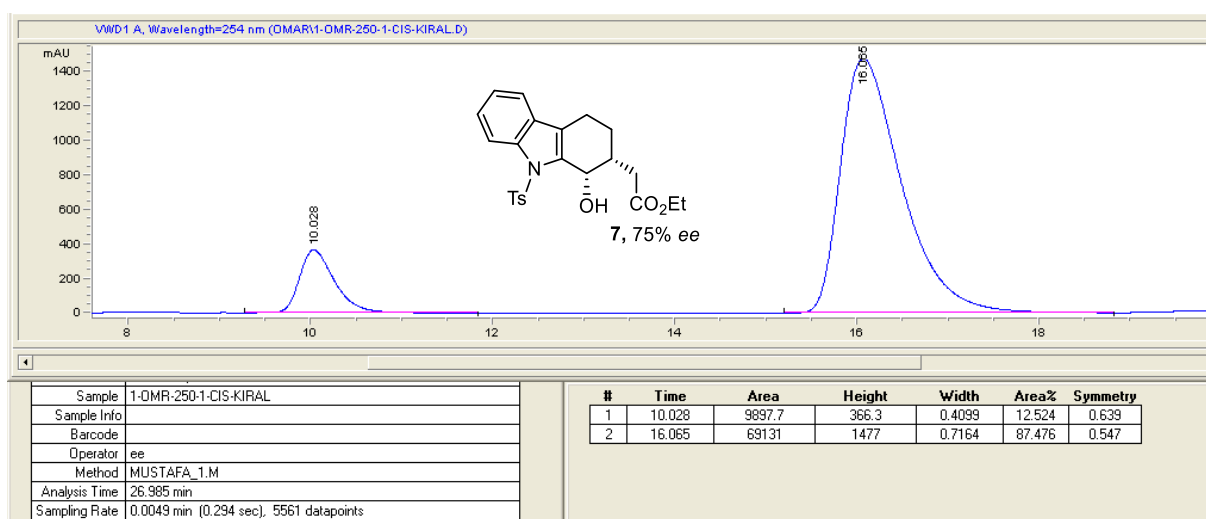


Figure S16: HPLC chromatogram of 7

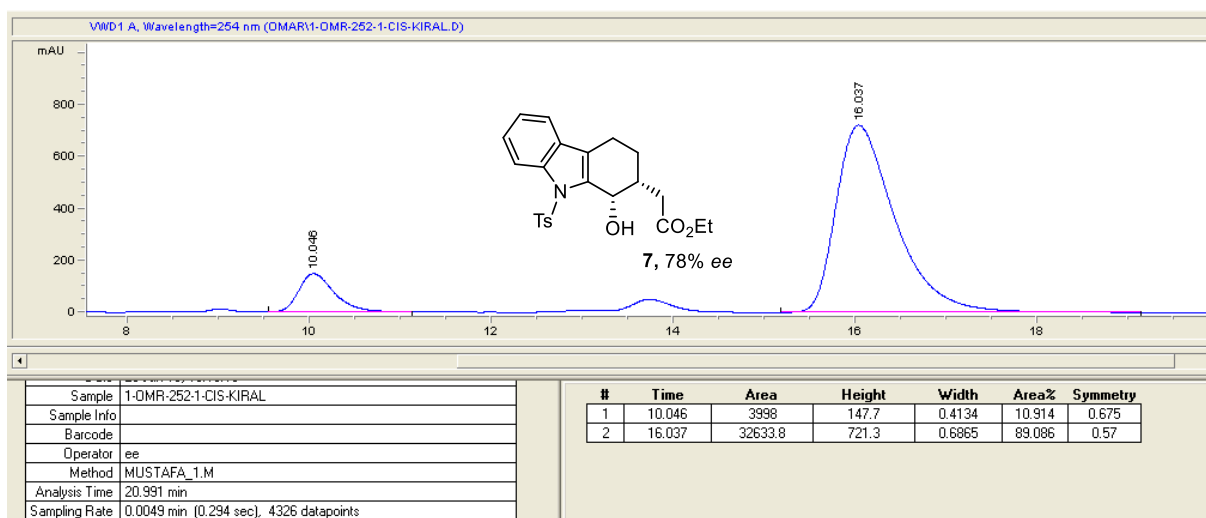


Figure S17: HPLC chromatogram of 7

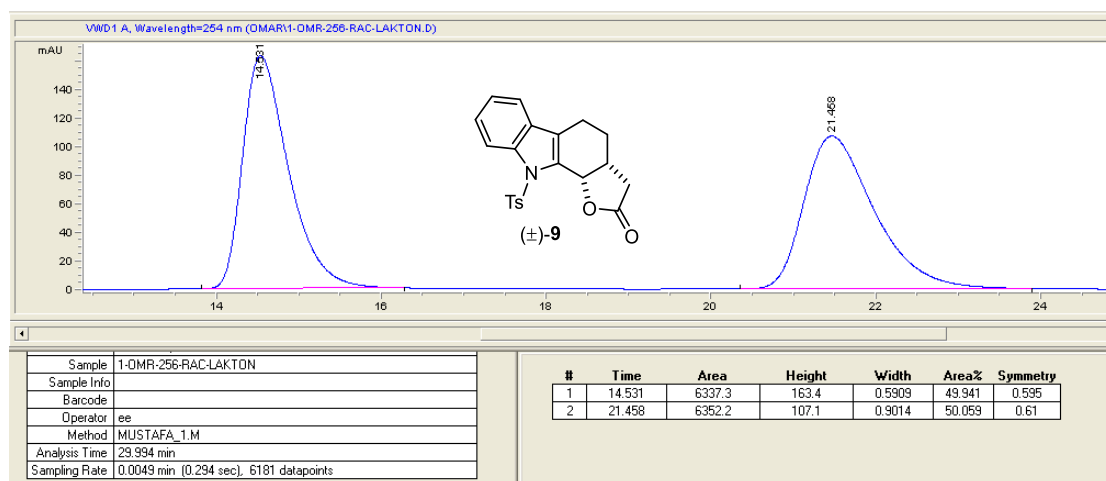


Figure S18: HPLC chromatogram of (±)-9

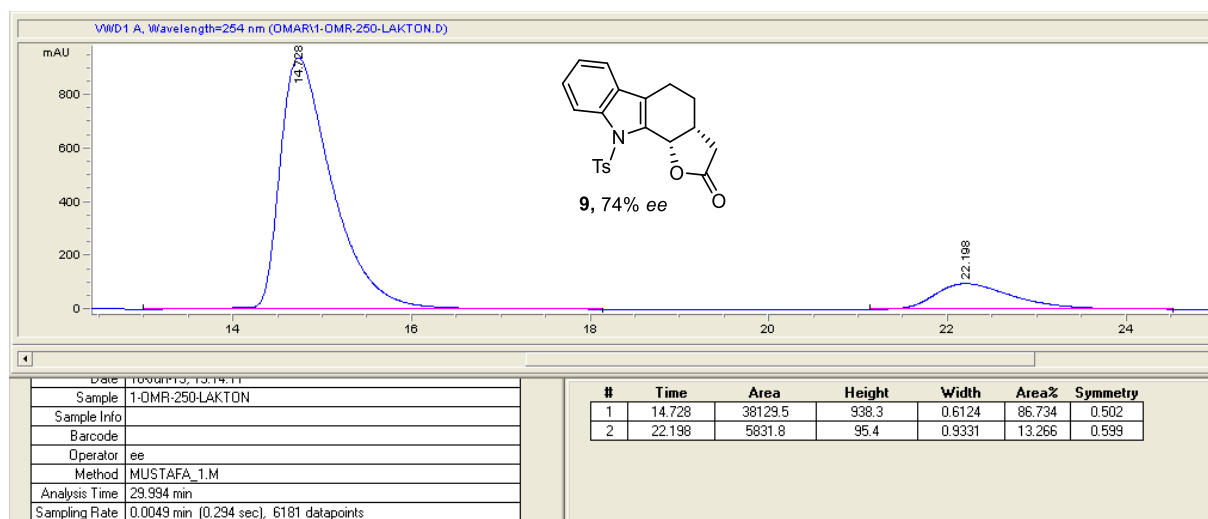


Figure S19: HPLC chromatogram of 9

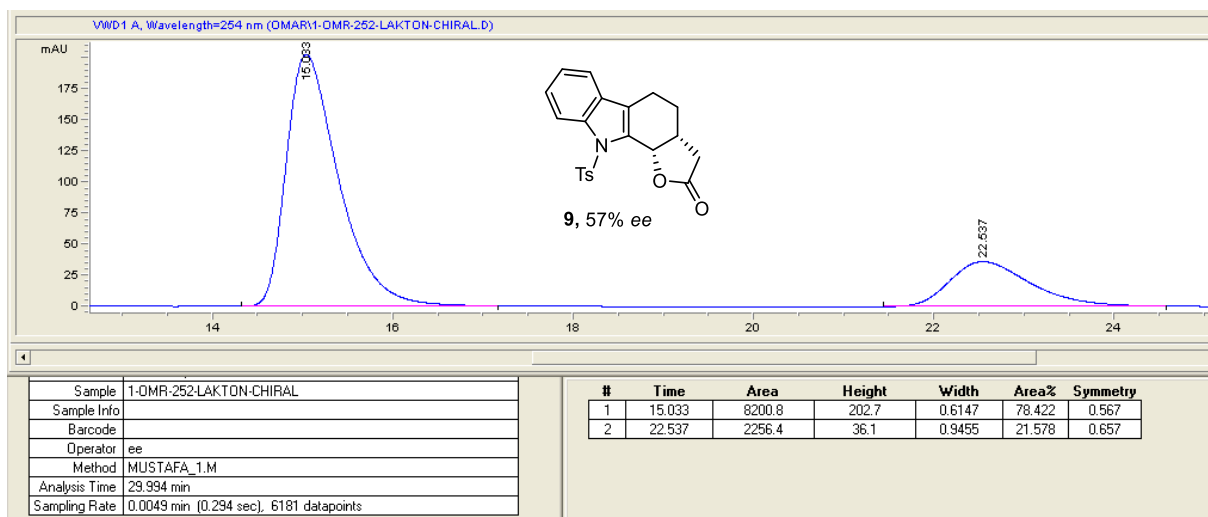


Figure S20: HPLC chromatogram of **9**

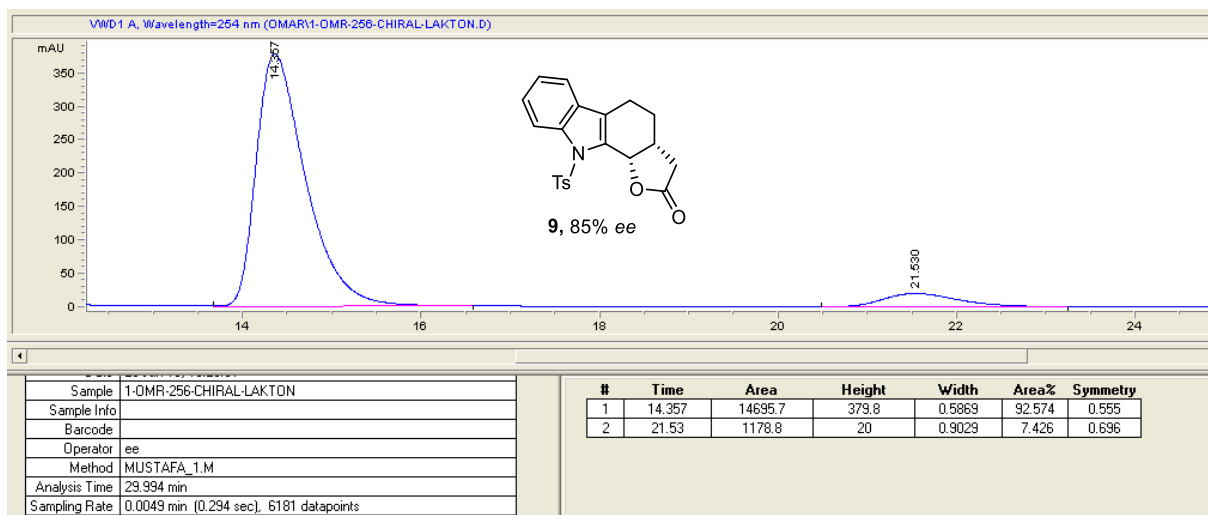


Figure S21: HPLC chromatogram of **9**