

Supplementary Material

Asymmetric aziridination of *N*-*tert*-butanesulfinyl imines with phenyldiazomethane via sulfur ylides

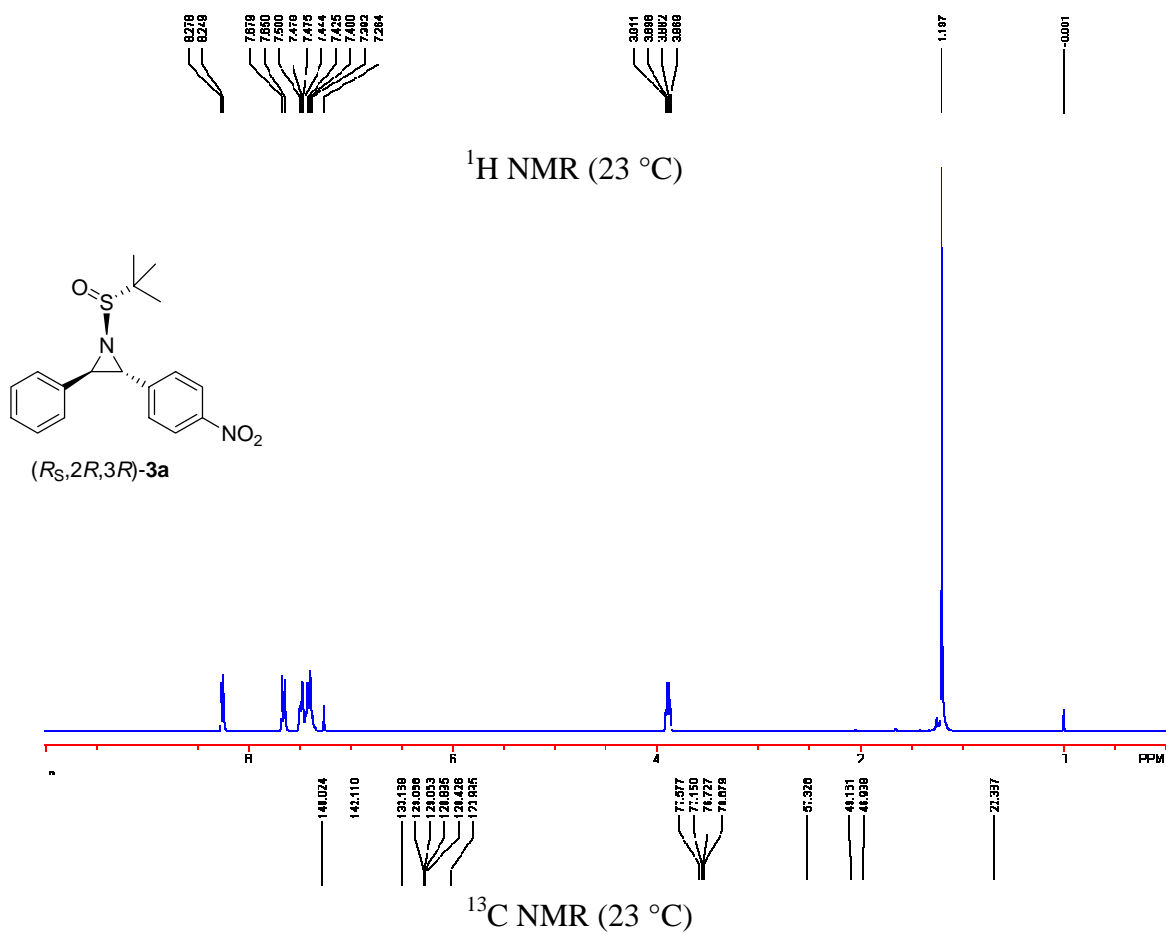
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and Michael F. Mayer*

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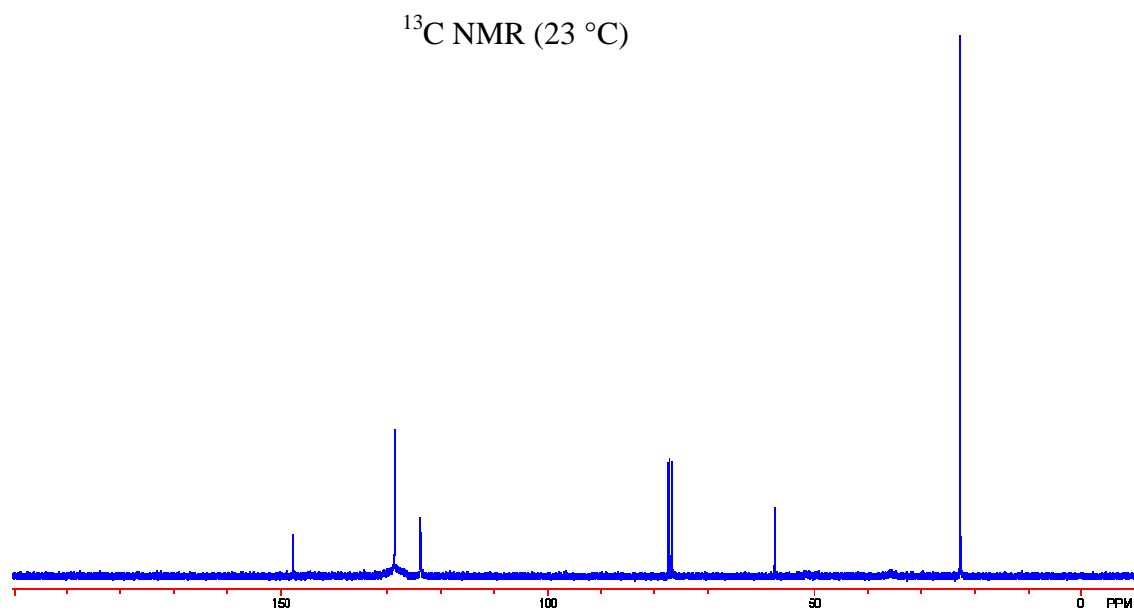
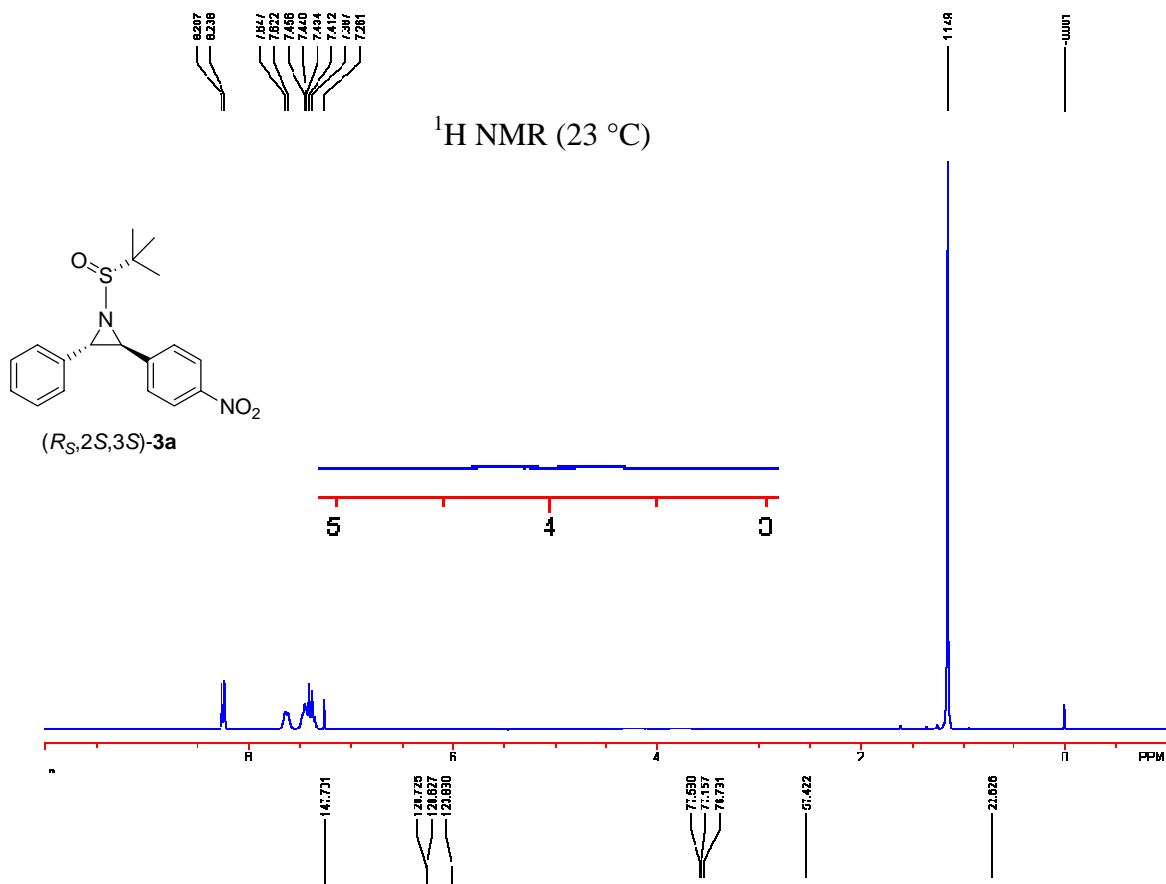
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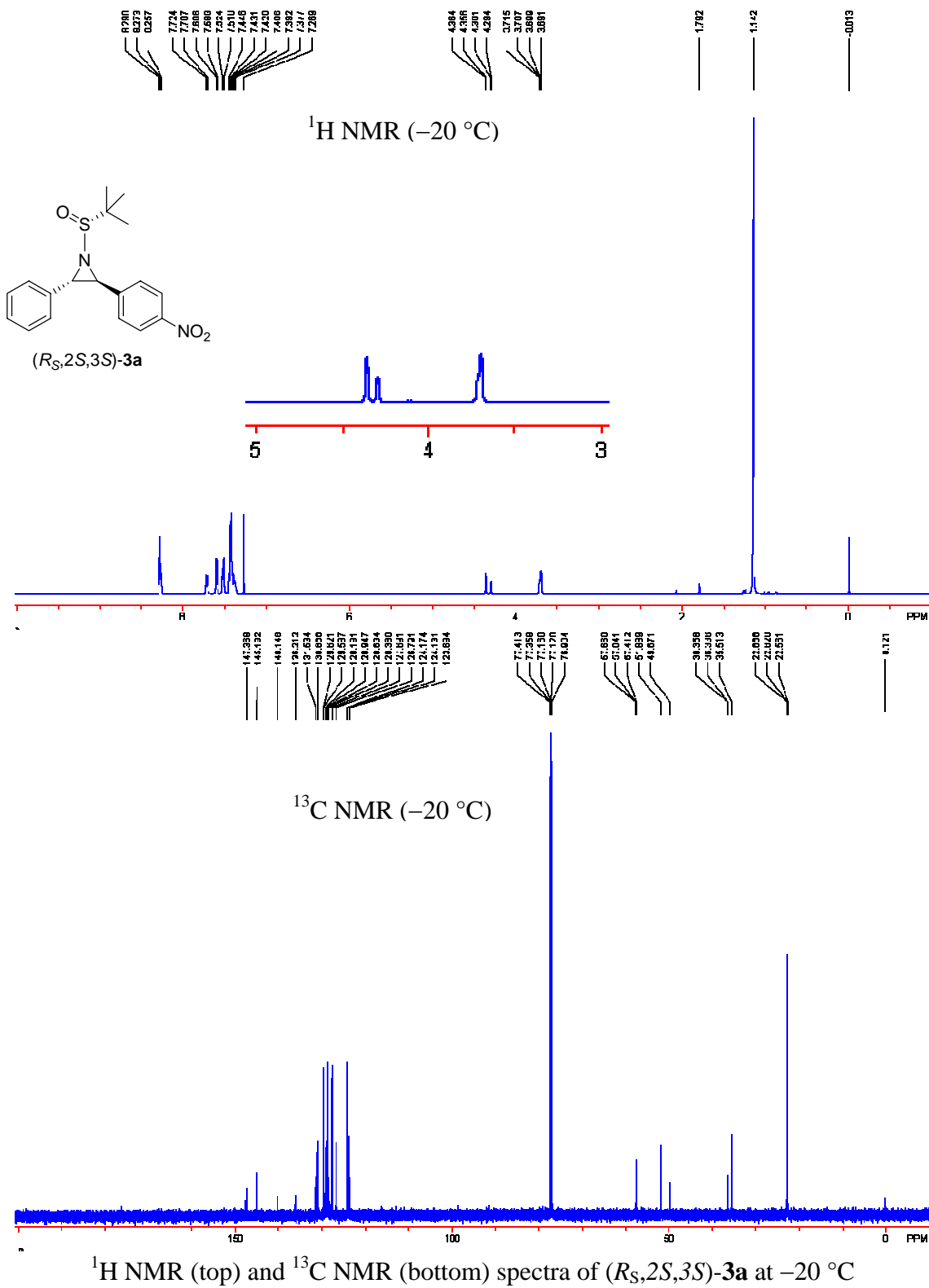
1. ¹H NMR and ¹³C NMR spectra of (*R*_s,2*R*,3*R*)-**3a** and (*R*_s,2*S*,3*S*)-**3a**
at room temperature and –20 °C with expanded inserts S2-S4
2. ¹H NMR and ¹³C NMR spectra of compounds **3b-i** at room temperature
and –20 °C S5-S20

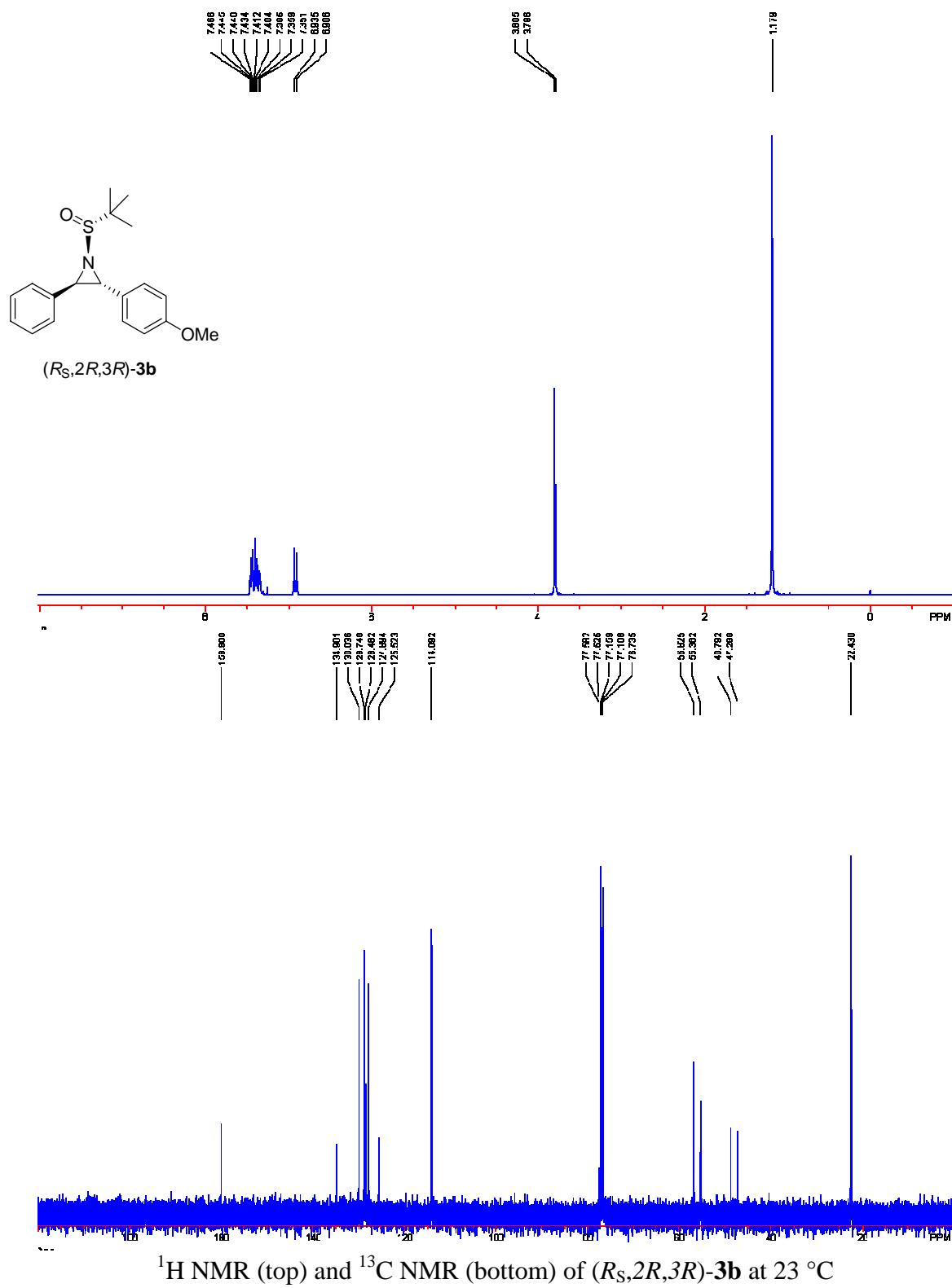


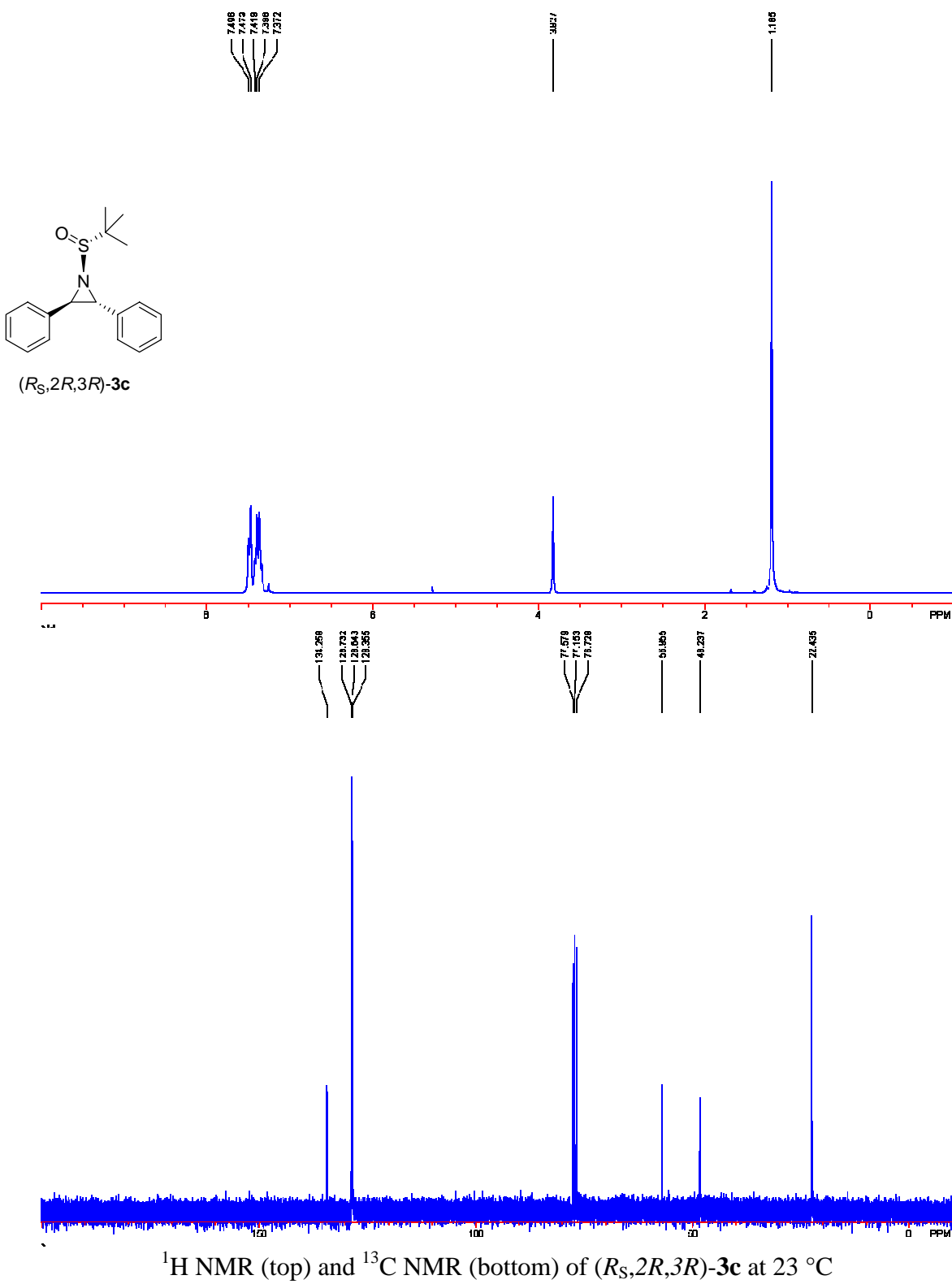
¹H NMR (top) and ¹³C NMR (bottom) of (*R_S*,2*R*,3*R*)-**3a** at 23 °C

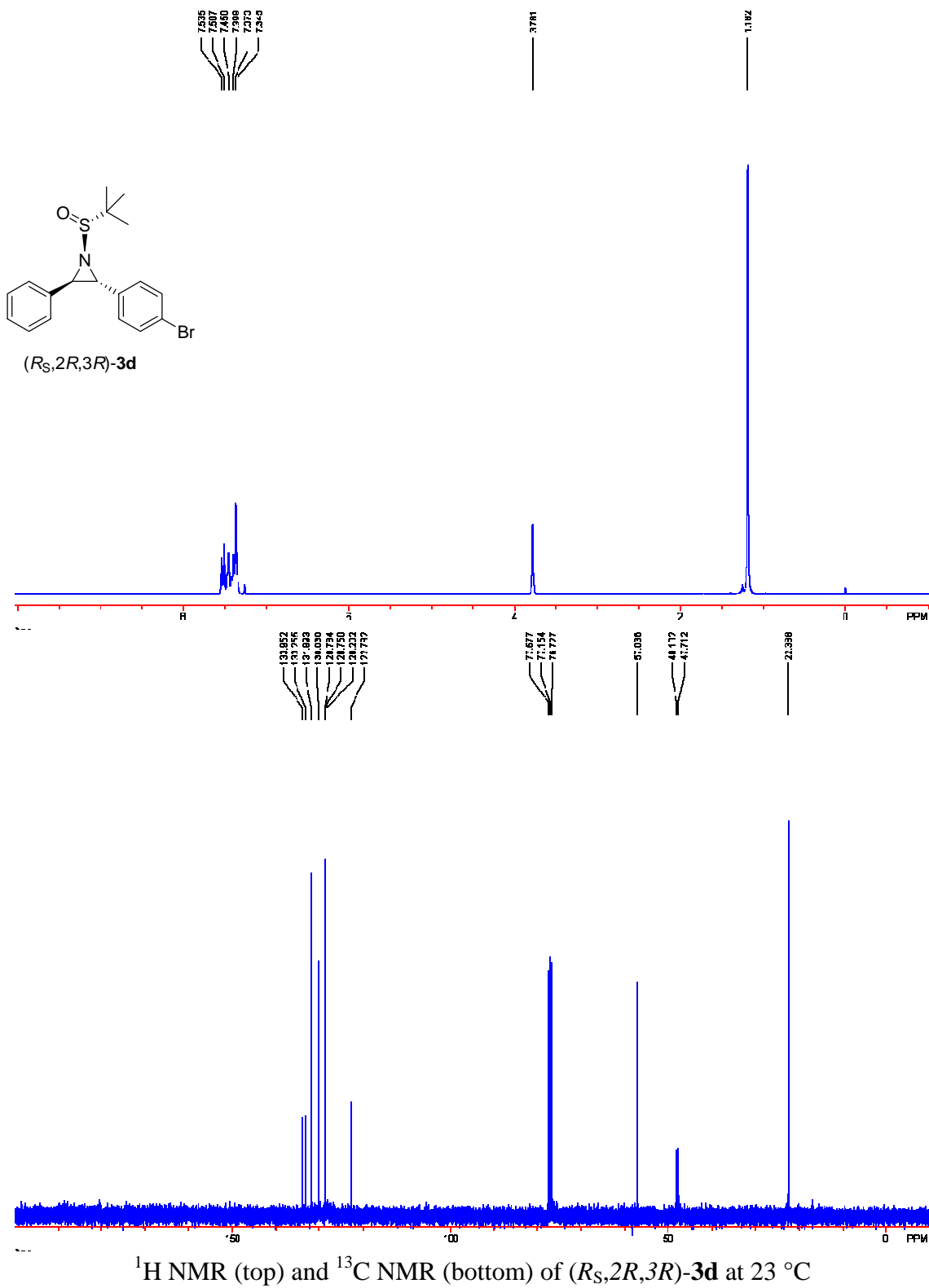


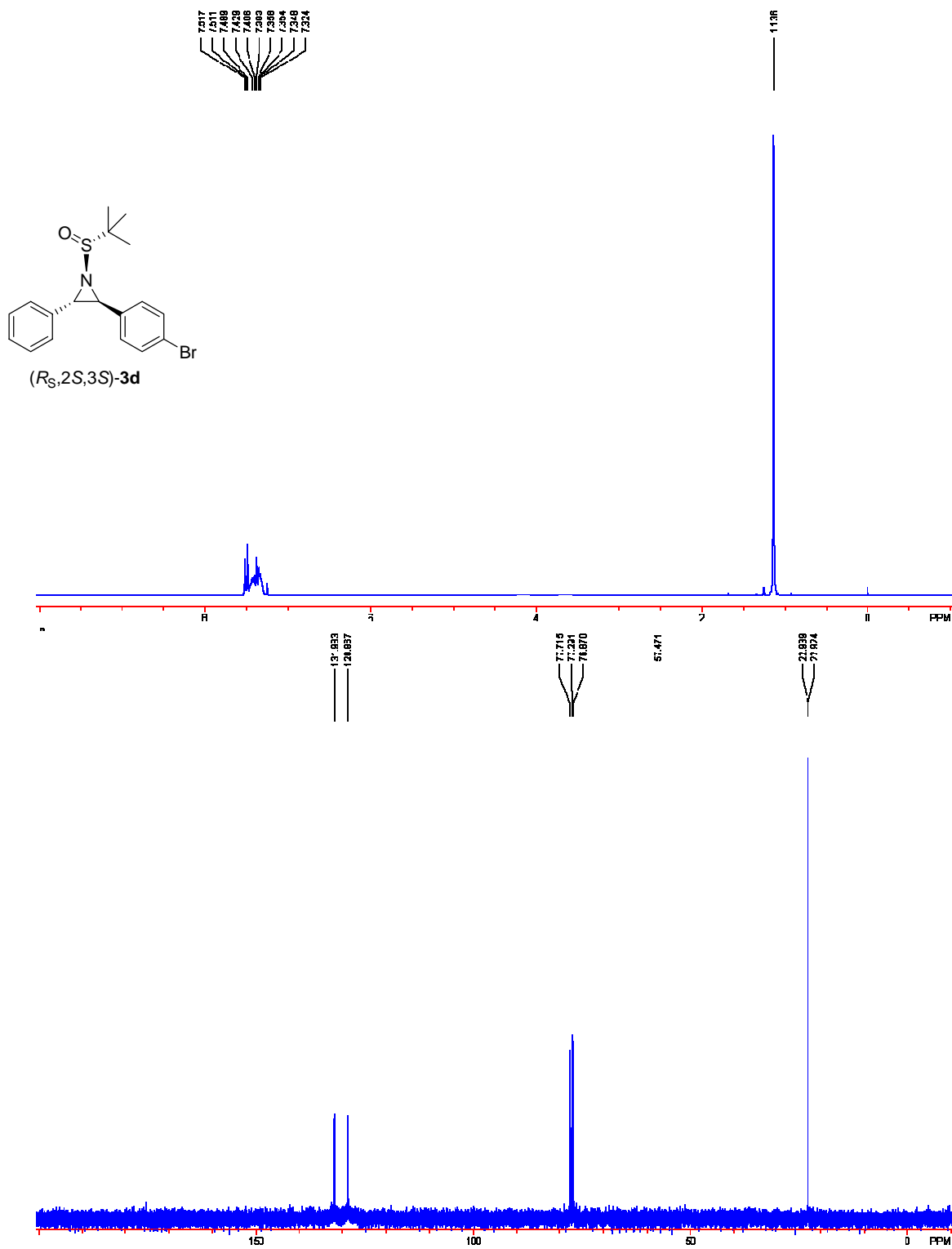
¹H NMR (top) and ¹³C NMR (bottom) spectra of (*R_S*,2*S*,3*S*)-**3a** at 23 °C



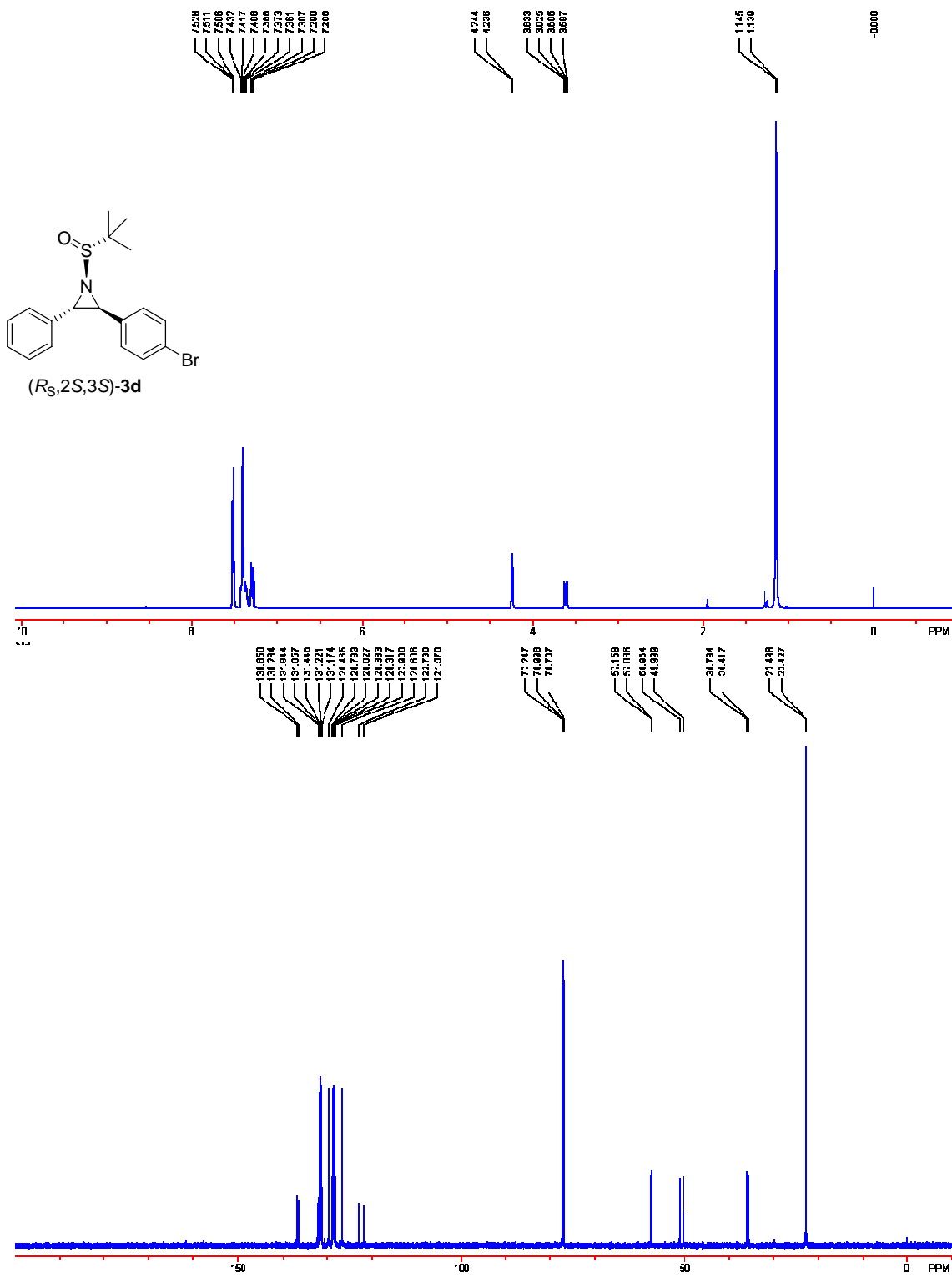




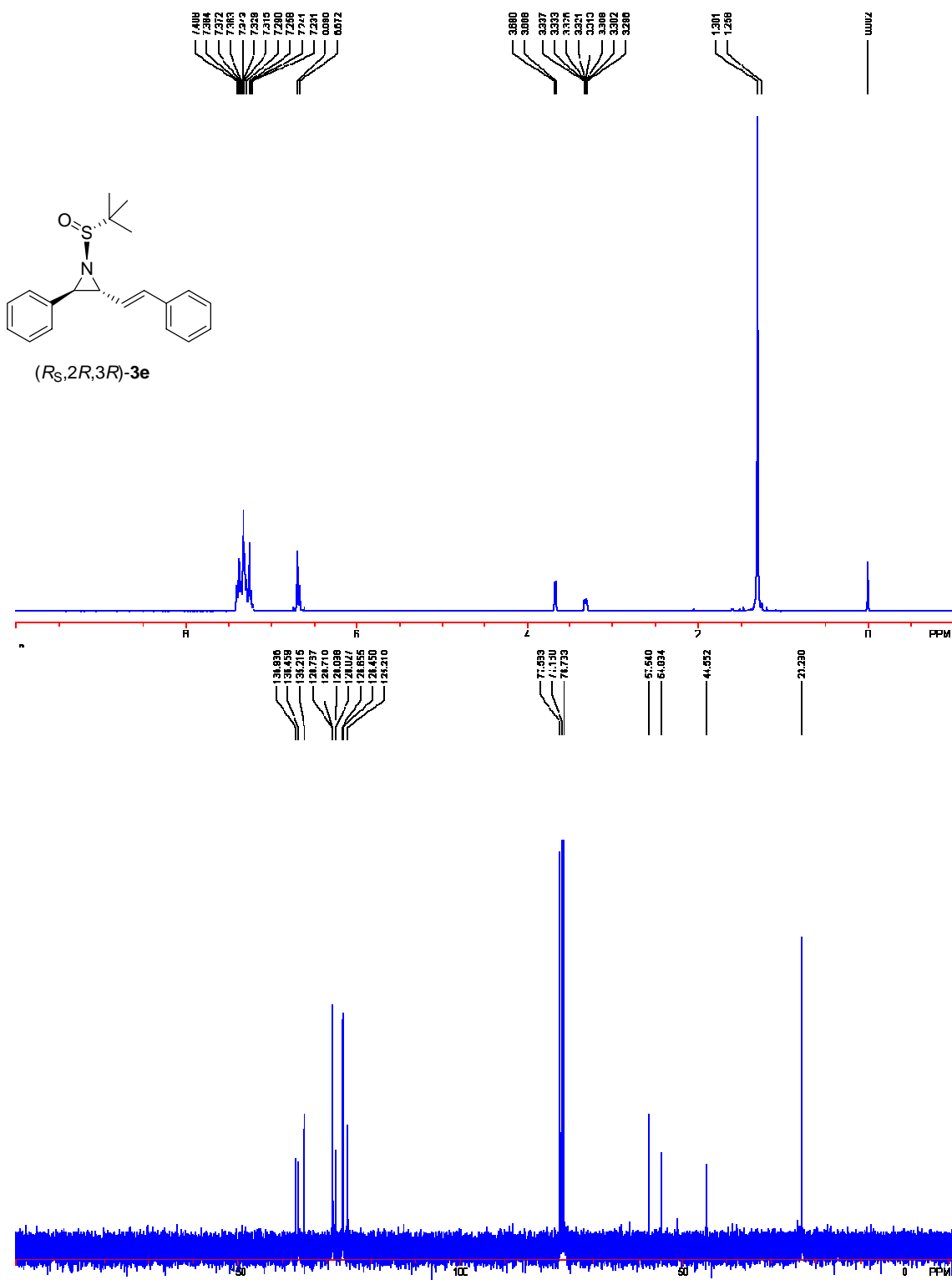




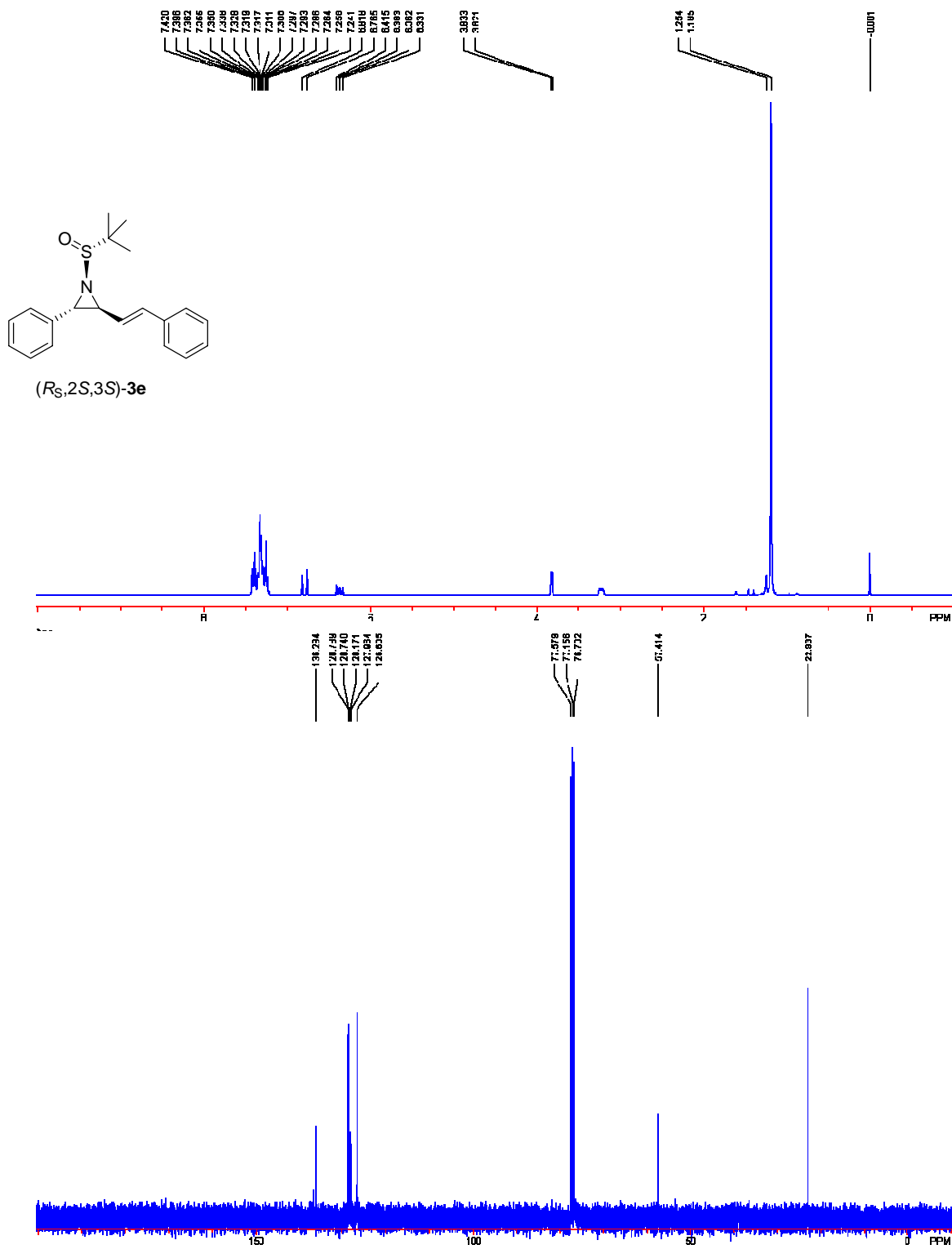
^1H NMR (top) and ^{13}C NMR (bottom) of $(R_S,2S,3S)$ -**3d** at 23 °C



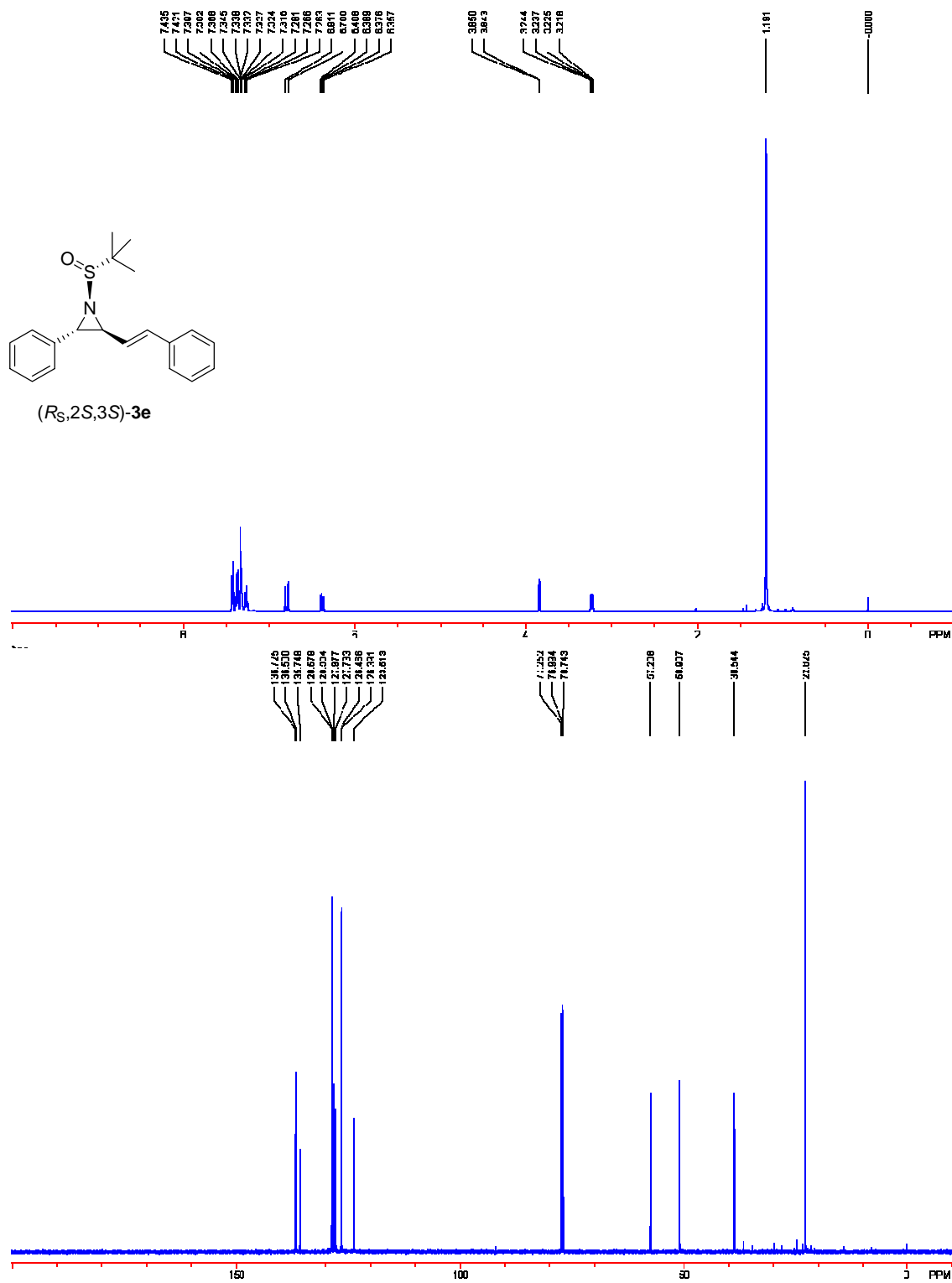
^1H NMR (top) and ^{13}C NMR (bottom) of $(R_S,2S,3S)$ -**3d** at -20°C



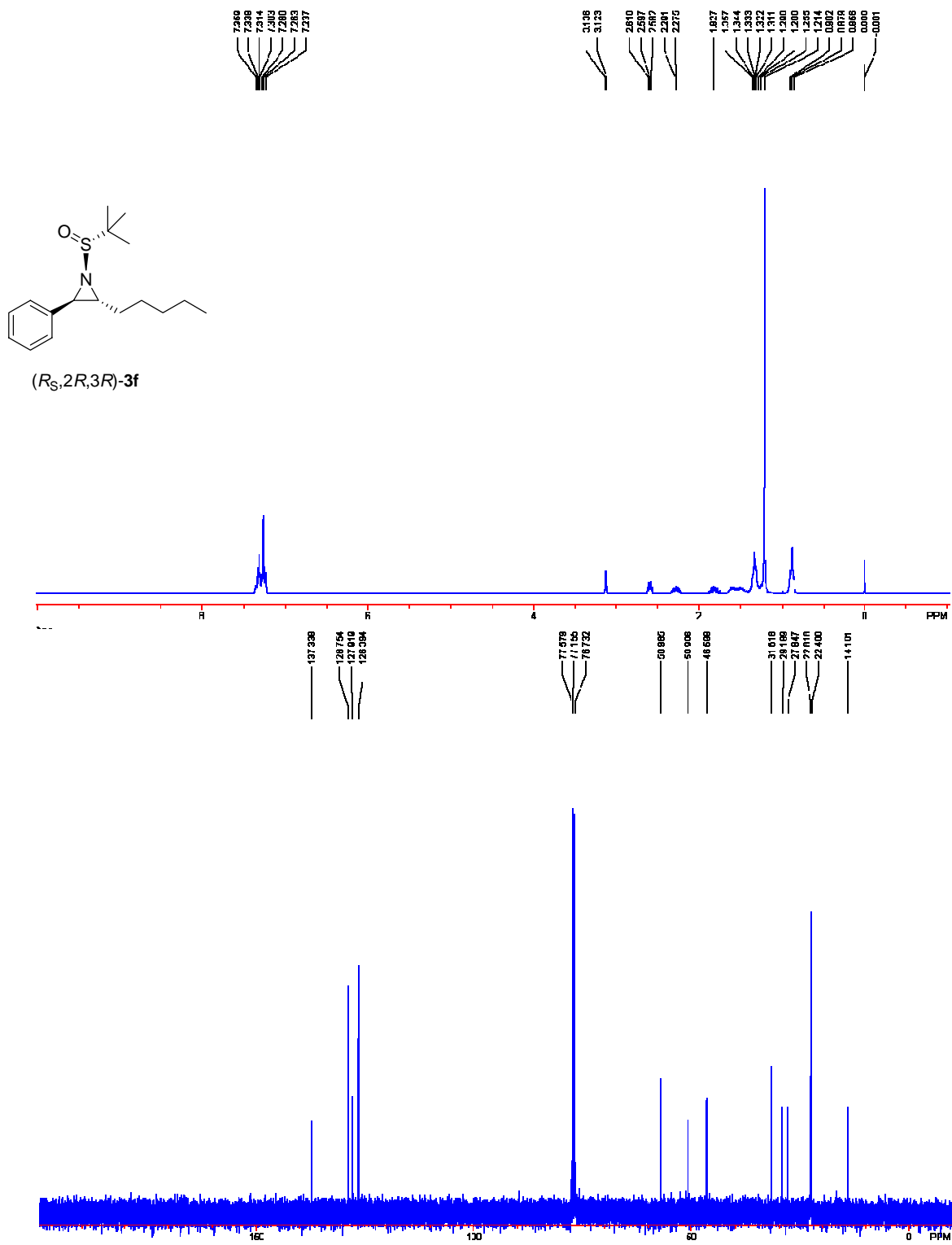
^1H NMR (top) and ^{13}C NMR (bottom) of $(R_S,2R,3R)$ -**3e** at 23 °C



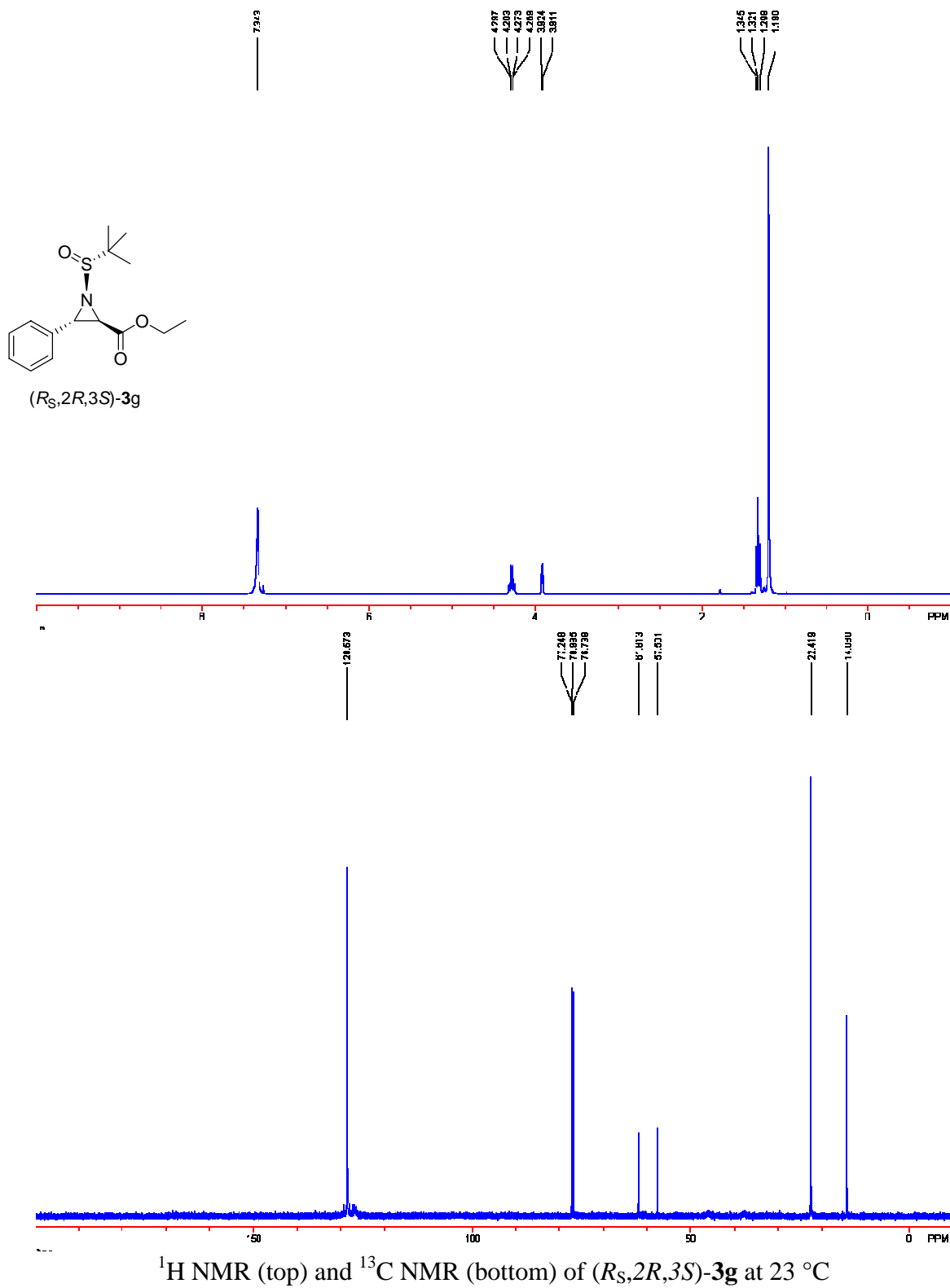
^1H NMR (top) and ^{13}C NMR (bottom) of $(R_S,2S,3S)$ -**3e** at 23 °C

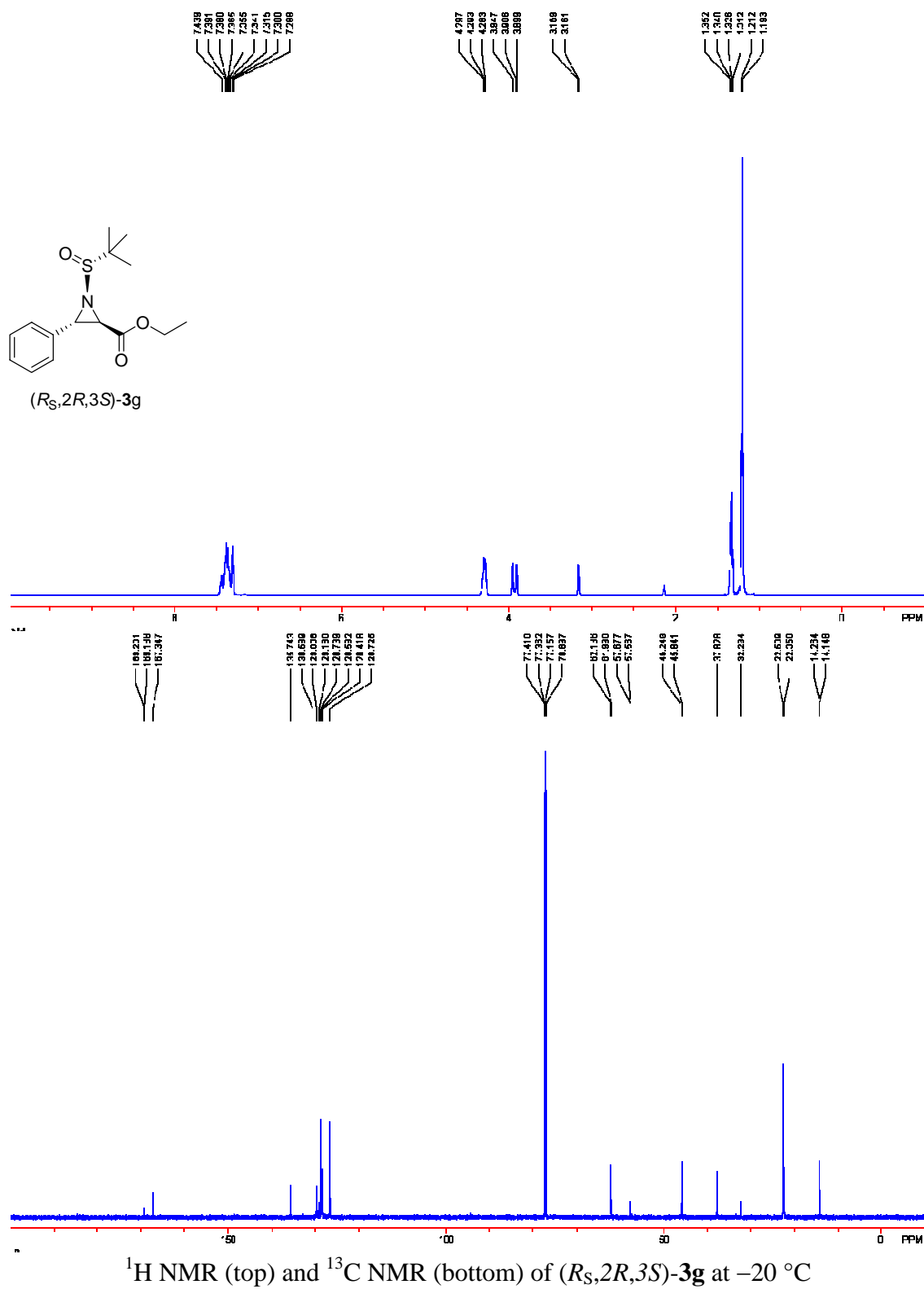


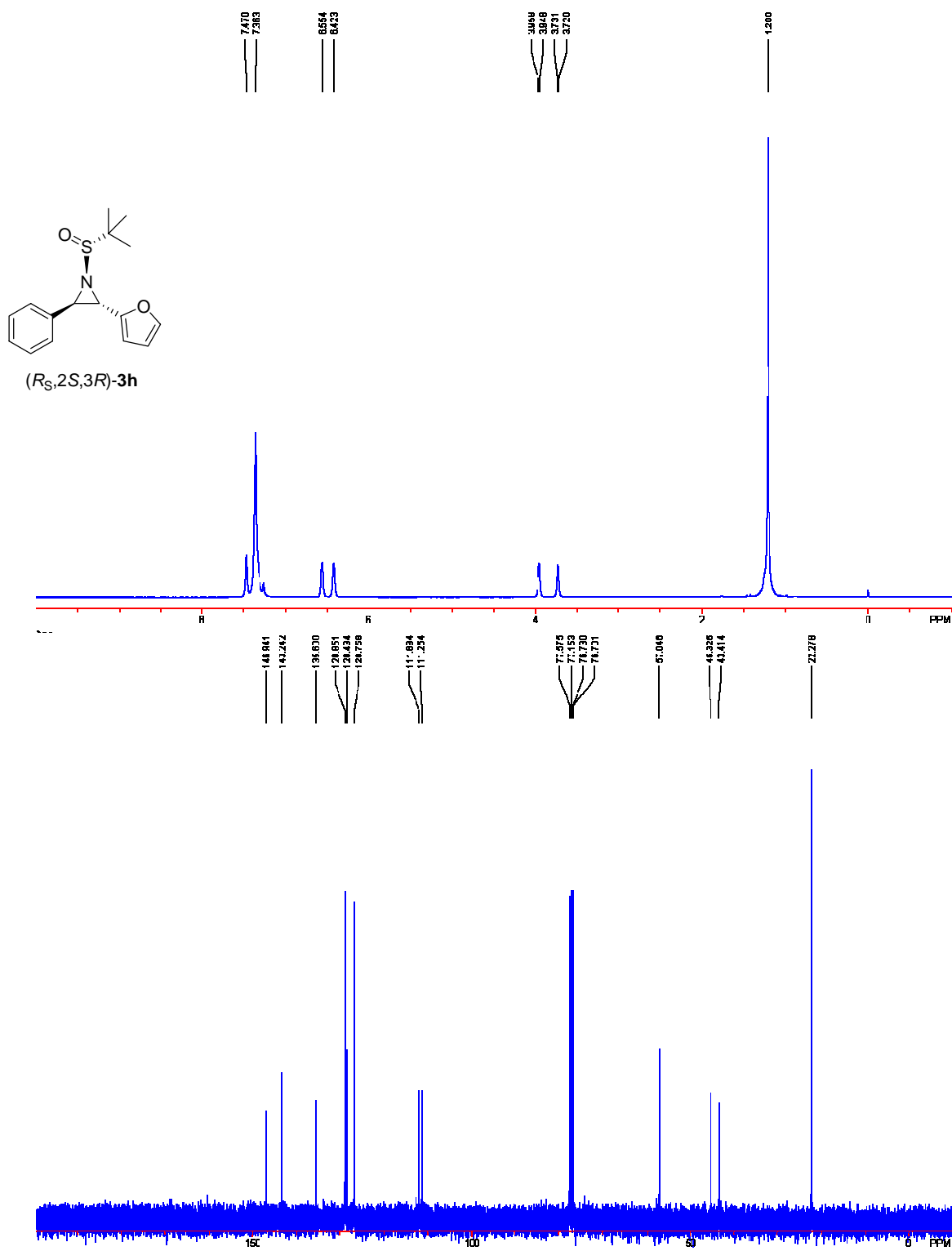
^1H NMR (top) and ^{13}C NMR (bottom) of $(R_S,2S,3S)$ -**3e** at $-20\text{ }^\circ\text{C}$

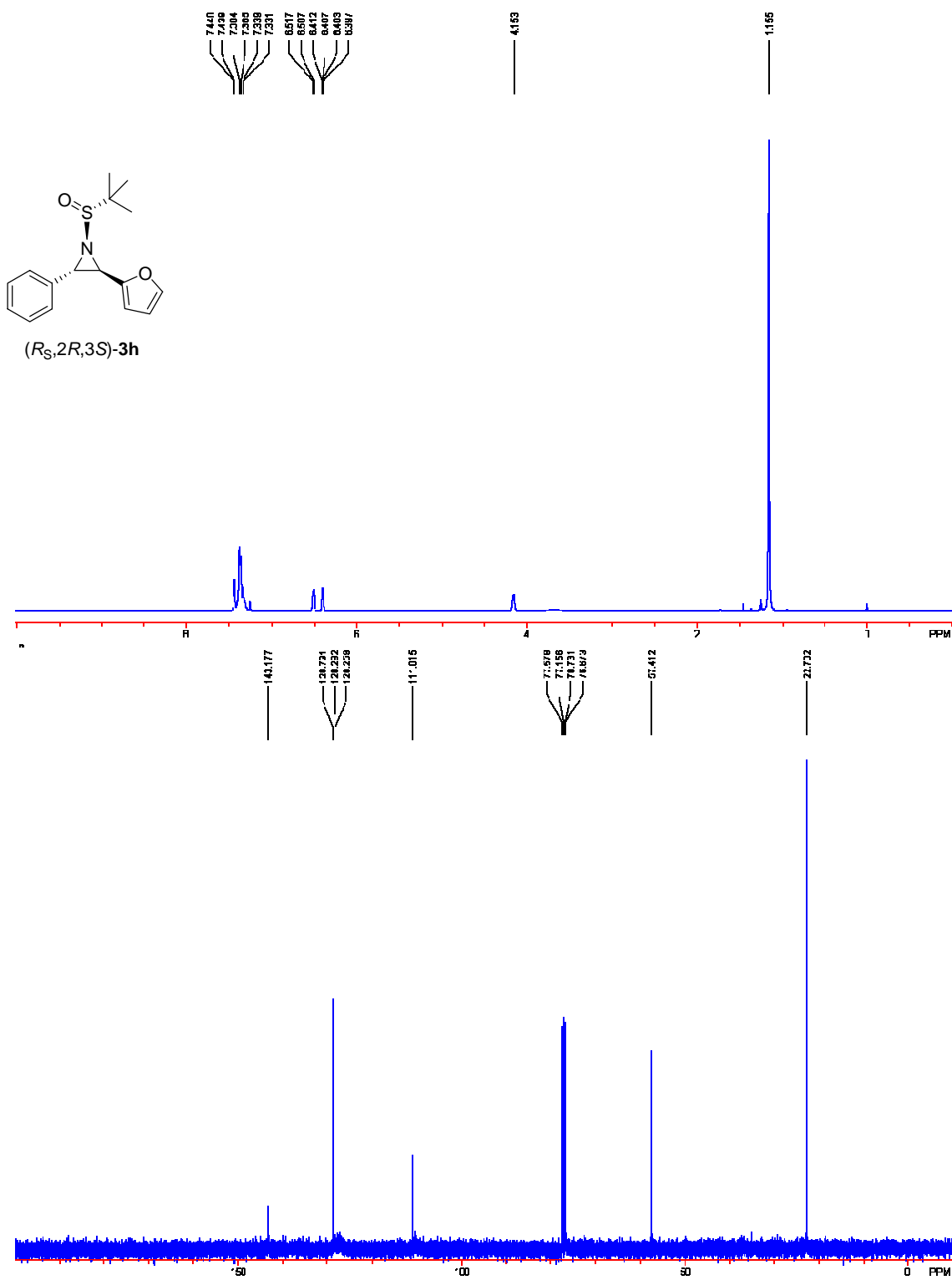


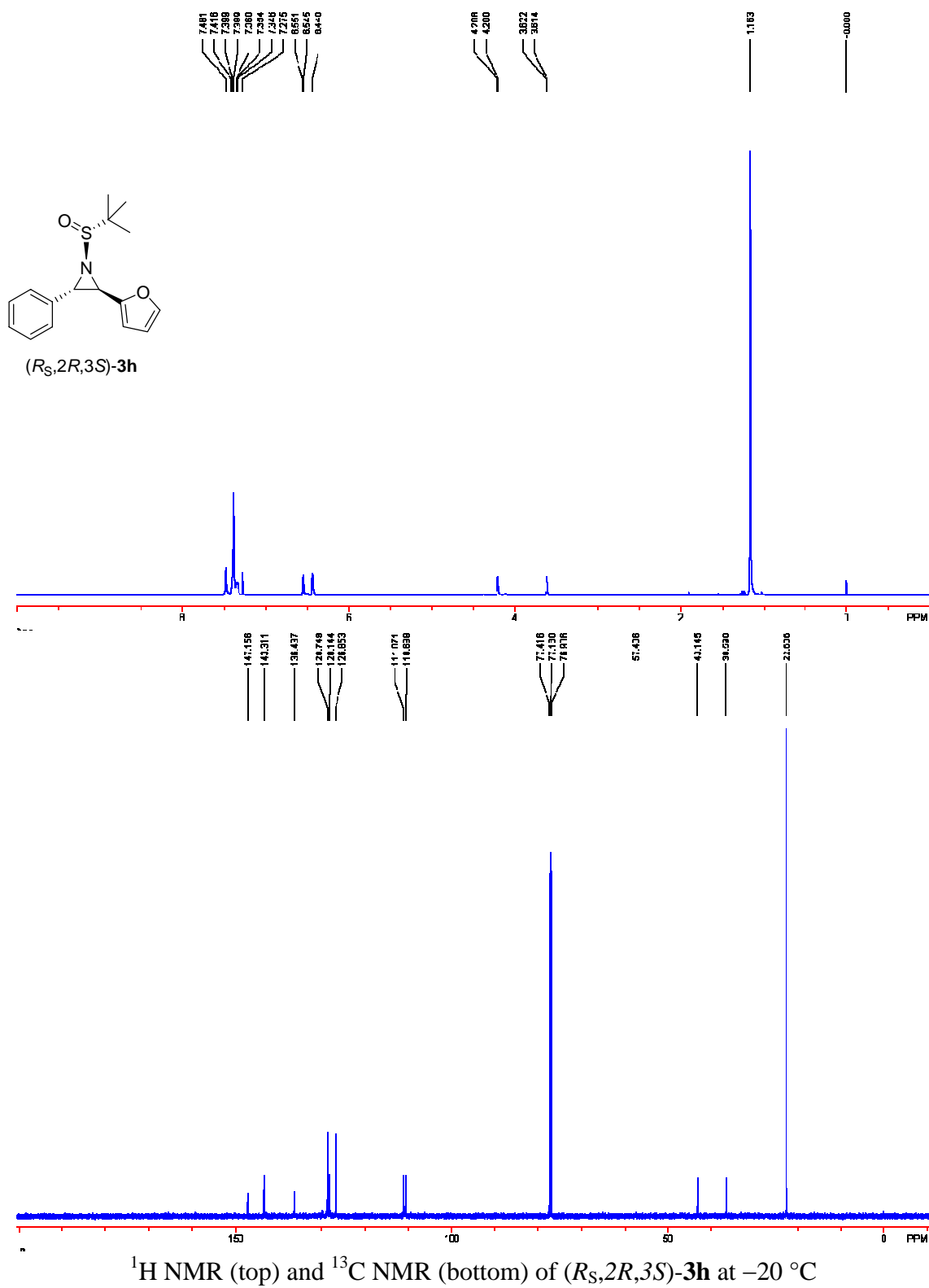
^1H NMR (top) and ^{13}C NMR (bottom) of $(R_S,2R,3R)$ -**3f** at 23 °C

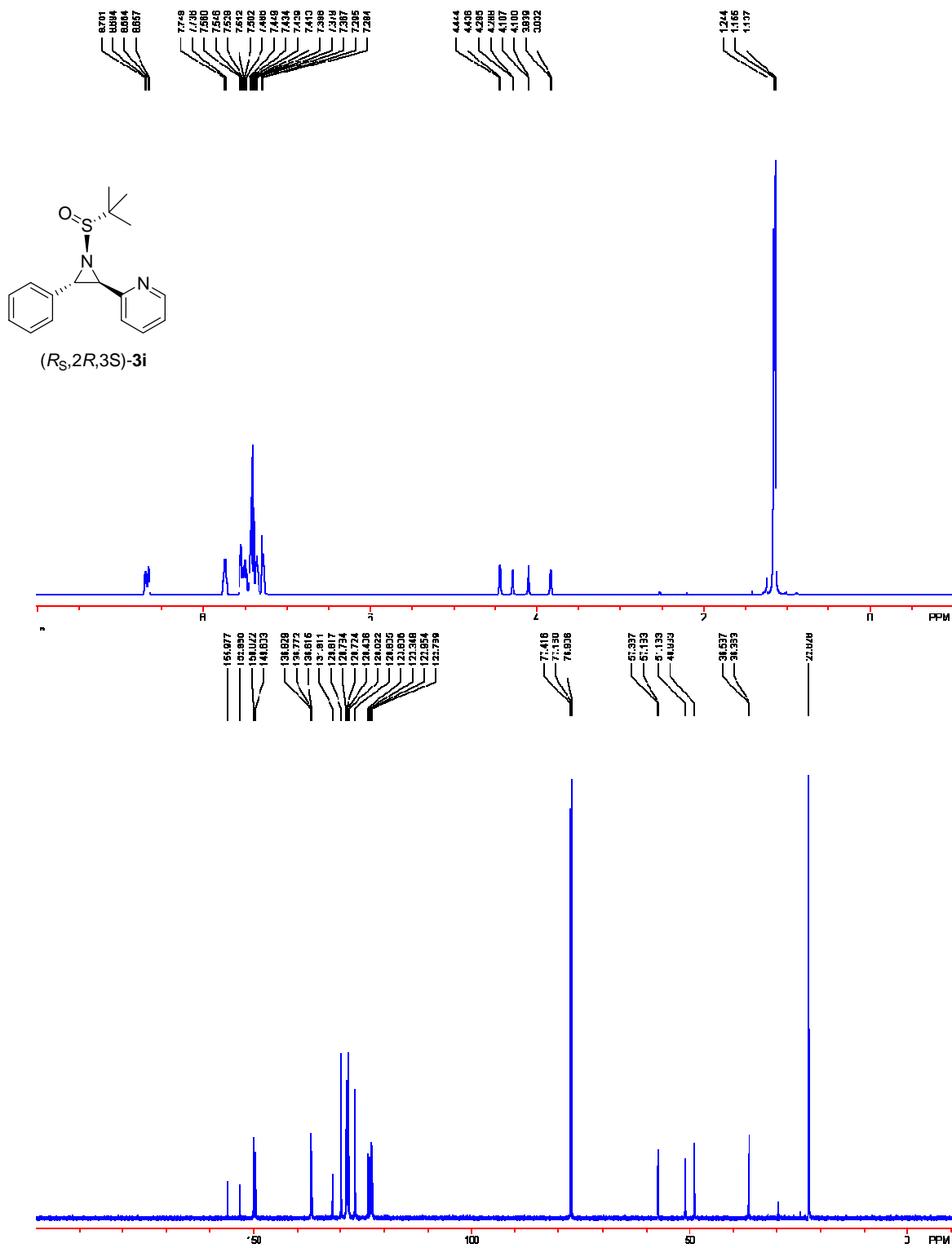




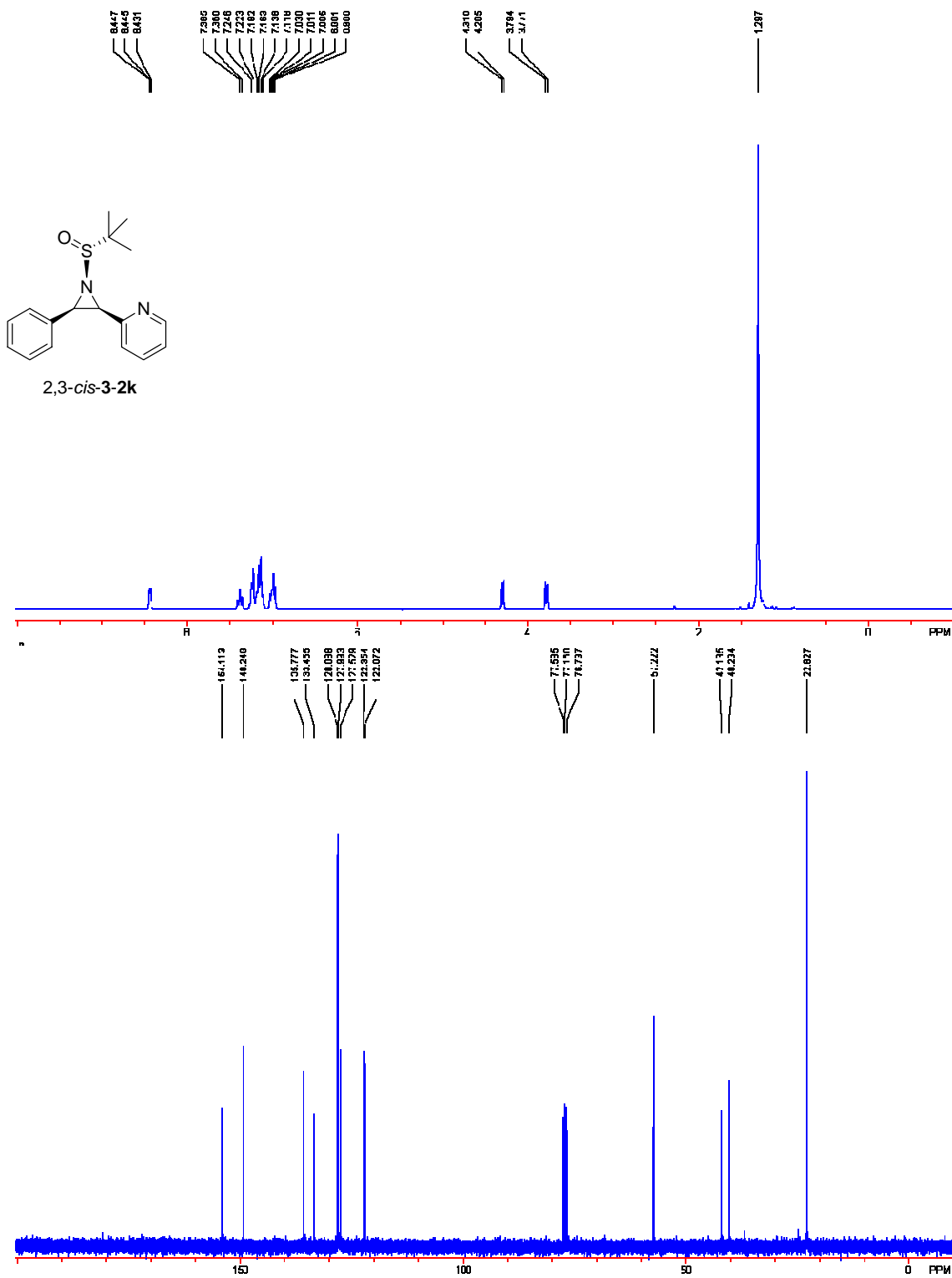








^1H NMR (top) and ^{13}C NMR (bottom) of $(R_S,2R,3S)$ -**3i** at $-20\text{ }^\circ\text{C}$



^1H NMR (top) and ^{13}C NMR (bottom) of 2,3-cis-3-2k at 23 °C