

Supplementary Material

Asymmetric transfer hydrogenation of prochiral cyclic 1,3-diketones

Jan Kreuziger, Anne Jäger and Peter Metz*

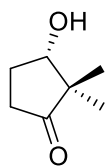
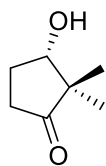
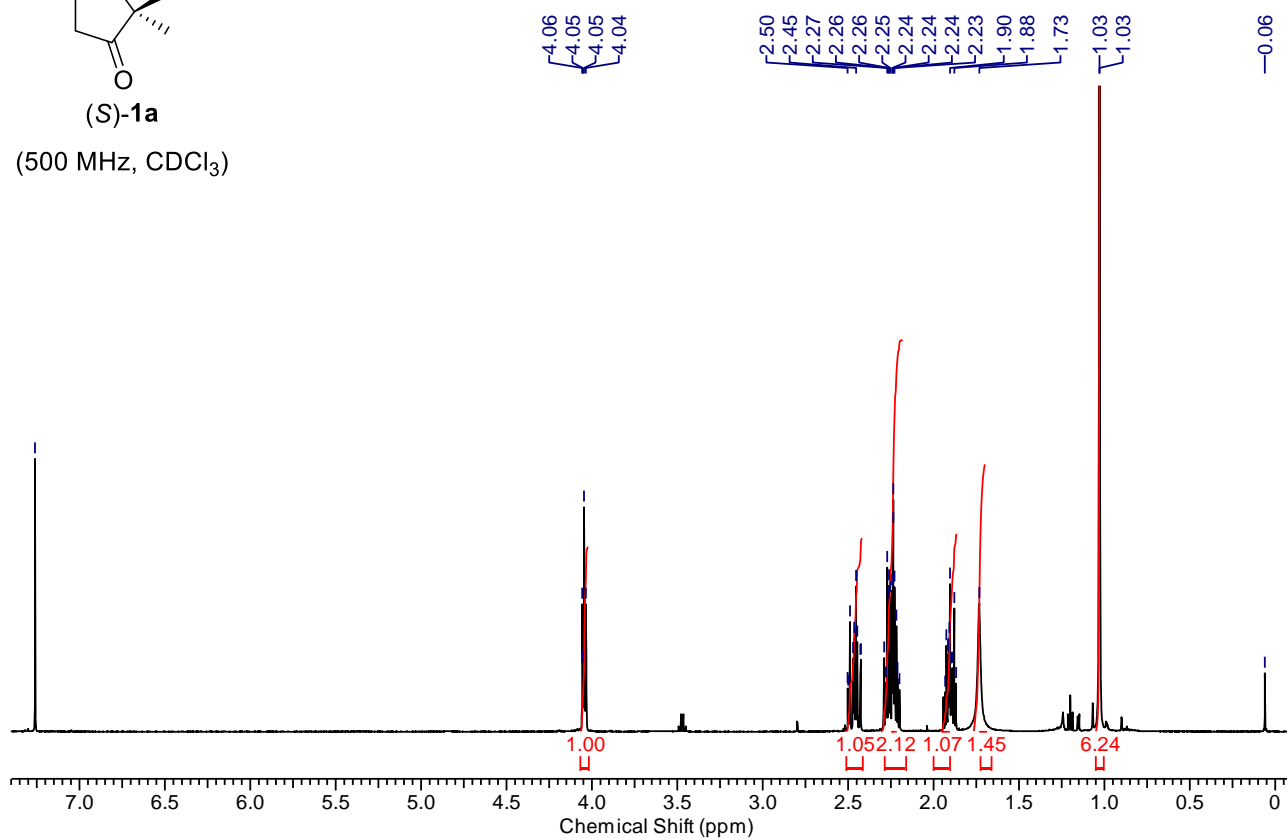
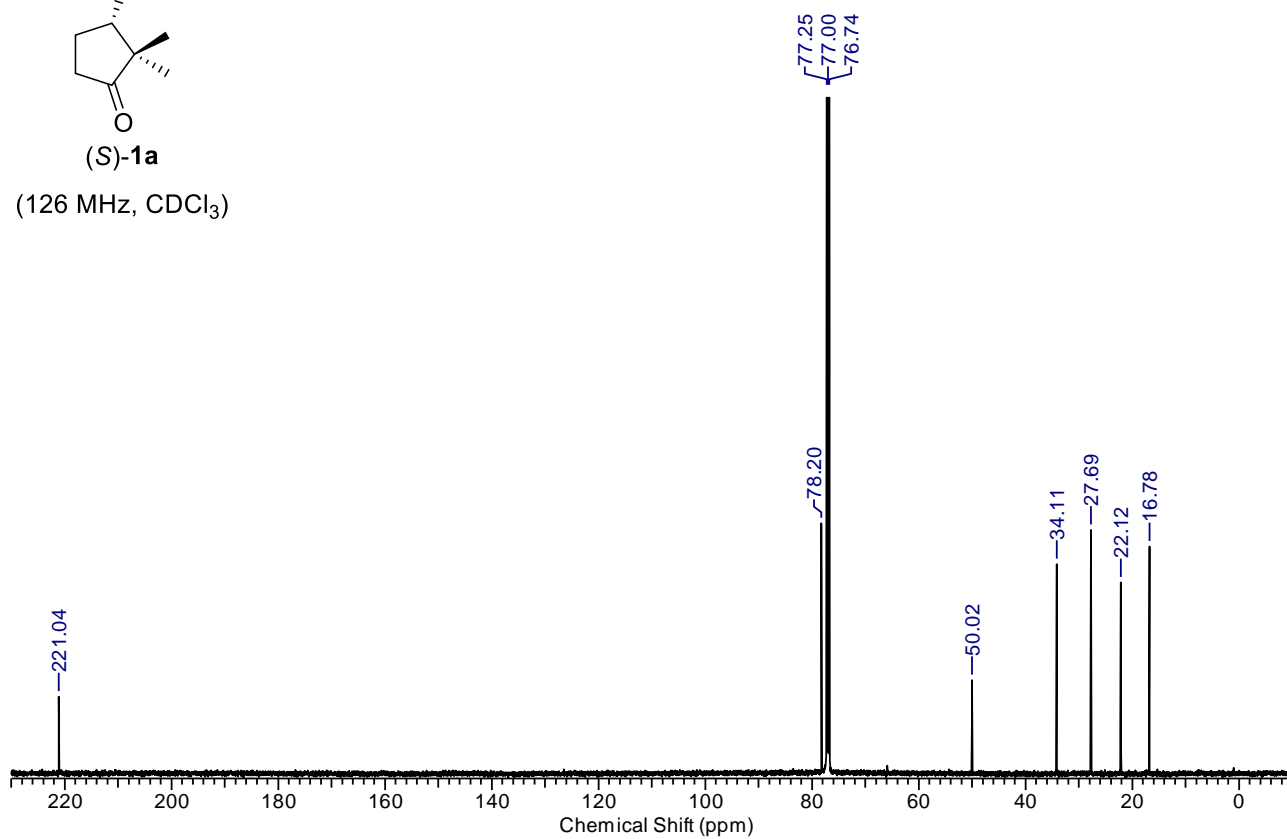
*Fakultät Chemie und Lebensmittelchemie, Organische Chemie I,
Technische Universität Dresden, Bergstraße 66, 01069 Dresden, Germany*

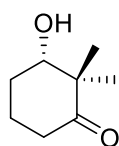
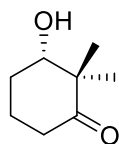
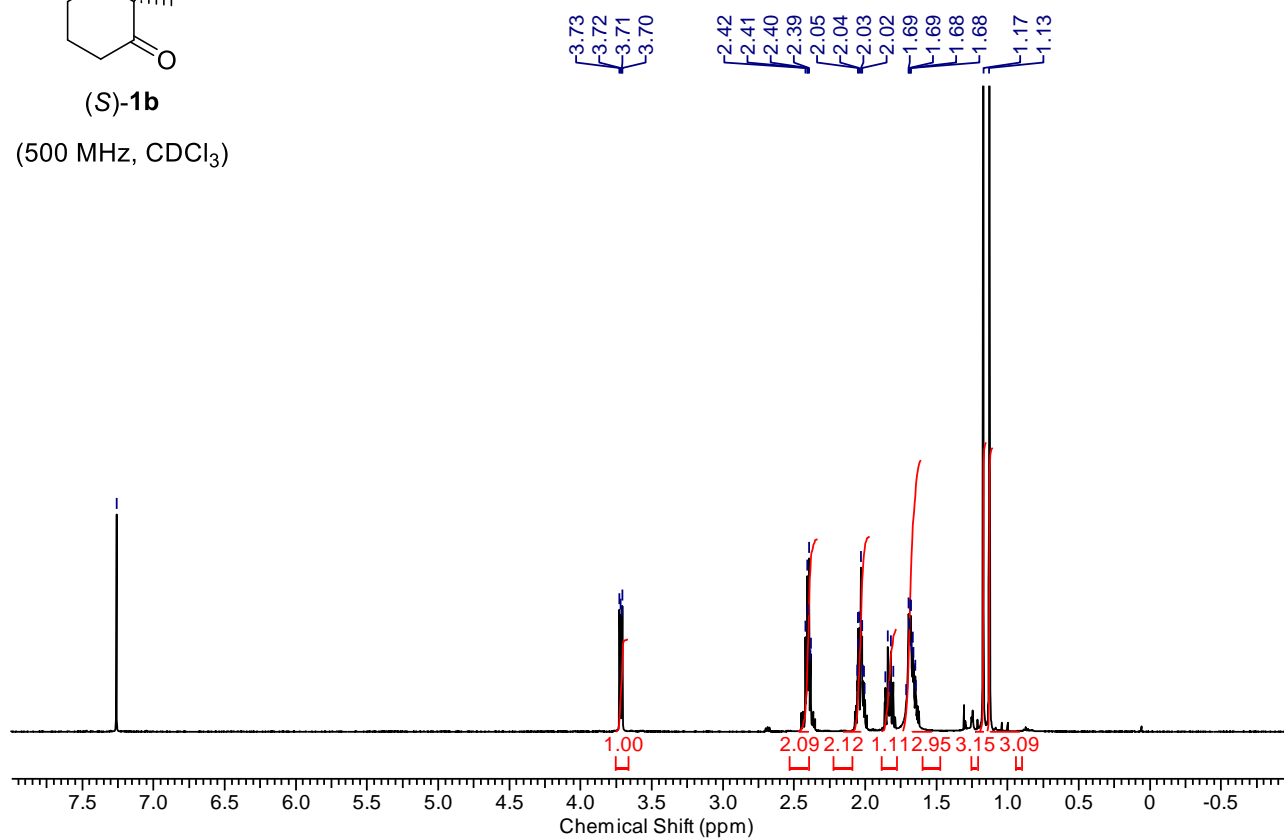
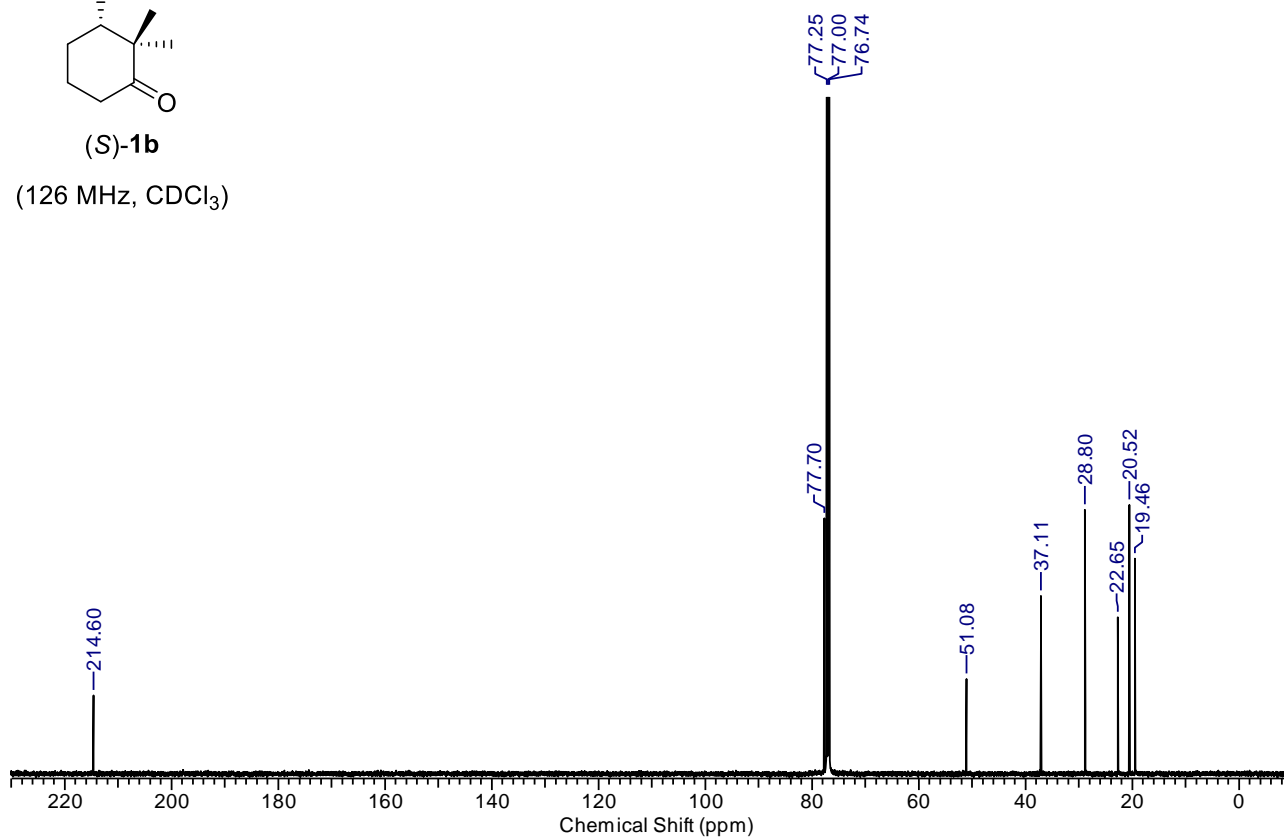
Email: peter.metz@chemie.tu-dresden.de

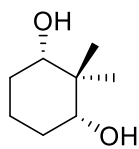
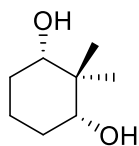
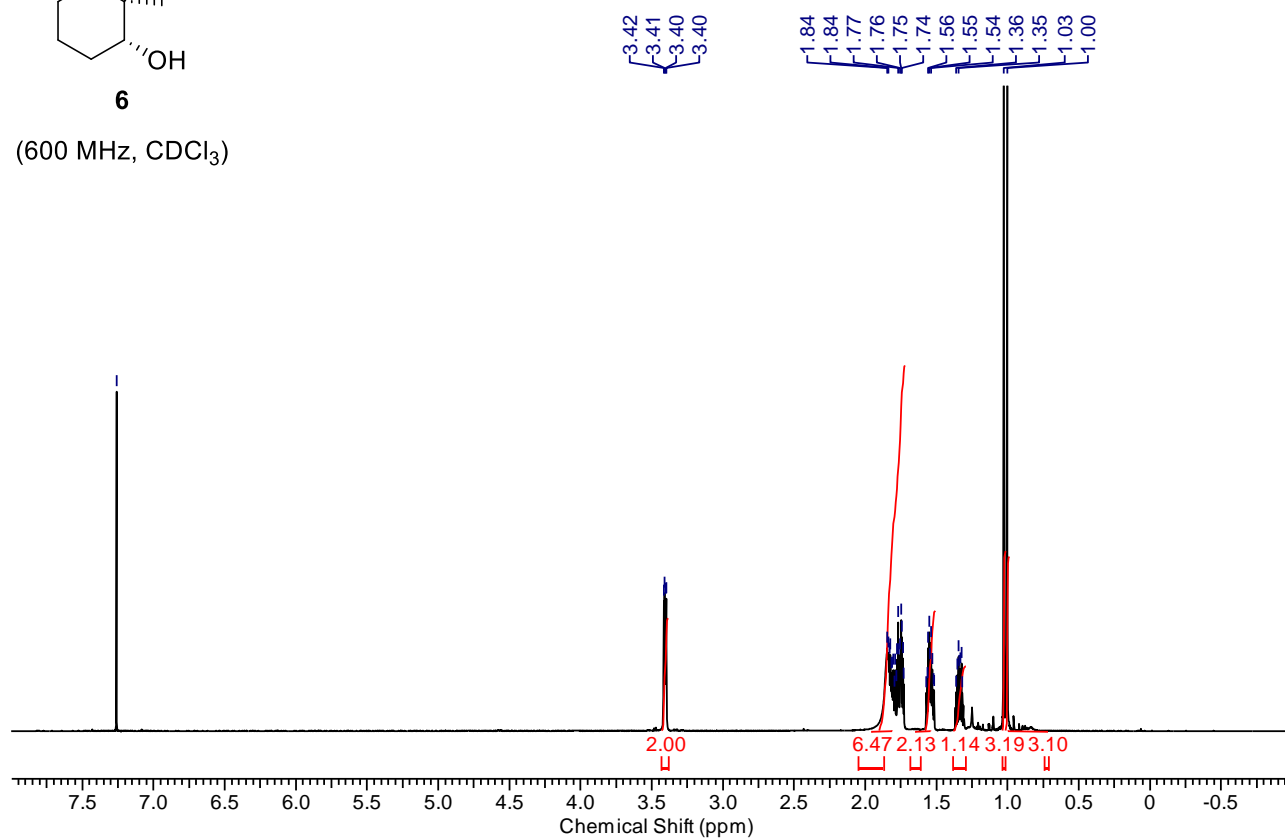
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Copies of ¹H NMR and ¹³C NMR spectra

(S)-3-Hydroxy-2,2-dimethylcyclopentanone ((S)- 1a)	S2
(S)-3-Hydroxy-2,2-dimethylcyclohexanone ((S)- 1b)	S3
<i>cis</i> -2,2-Dimethylcyclohexane-1,3-diol (6)	S4
(S)-2,2-Dimethyl-3-oxocyclopentyl 4-bromobenzoate ((S)- 7a)	S5
(S)-2,2-Dimethyl-3-oxocyclohexyl 4-bromobenzoate ((S)- 7b)	S6

**(S)-1a**(500 MHz, CDCl₃)**(S)-1a**(126 MHz, CDCl₃)

**(S)-1b**(500 MHz, CDCl₃)**(S)-1b**(126 MHz, CDCl₃)

**6**(600 MHz, CDCl₃)**6**(151 MHz, CDCl₃)