Supplementary Material

The synthesis of $N^\alpha$-protected amino hydroxamic acid from $N^\alpha$-protected amino acids employing versatile chlorinating agent CPI-Cl

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Figure 2. $^{13}$C NMR spectrum of compound 2a
Figure 3. $^1$H NMR spectrum of compound 2b

Figure 4. $^{13}$C NMR spectrum of compound 2b
Figure 5. $^1$H NMR spectrum of compound 2c

Figure 6. $^{13}$C NMR spectrum of compound 2c
Figure 7. $^1$H NMR spectrum of compound 2d

Figure 8. $^{13}$C NMR spectrum of compound 2d
Figure 9. $^1$H NMR spectrum of compound 2e

![Figure 9. $^1$H NMR spectrum of compound 2e](image1)

Figure 10. $^{13}$C NMR spectrum of compound 2e

![Figure 10. $^{13}$C NMR spectrum of compound 2e](image2)
Figure 11. $^1$H NMR spectrum of compound 2g

Figure 12. $^{13}$C NMR spectrum of compound 2g
Figure 13. $^1$H NMR spectrum of compound 2h

![Figure 13](image1.png)

Figure 14. $^{13}$C NMR spectrum of compound 2h

![Figure 14](image2.png)
Figure 15. $^1$H NMR spectrum of compound 2i

![Figure 15. $^1$H NMR spectrum of compound 2i](image1)

Figure 16. $^{13}$C NMR spectrum of compound 2i

![Figure 16. $^{13}$C NMR spectrum of compound 2i](image2)
Figure 17. $^1$H NMR spectrum of compound 2j

Figure 18. $^{13}$C NMR spectrum of compound 2j
Figure 19. $^1$H NMR spectrum of compound 2k

![Figure 19](image1)

Figure 20. $^{13}$C NMR spectrum of compound 2k

![Figure 20](image2)
Figure 21. $^1$H NMR spectrum of compound 2k*

Figure 22. $^{13}$C NMR spectrum of compound 2k*
Figure 23. $^1$H NMR spectrum of compound 2l

Figure 24. $^{13}$C NMR spectrum of compound 2l
Figure 25. RP-HPLC profile of 2K

![RP-HPLC profile of 2K](image)

Figure 26. RP-HPLC profile of 2k*

![RP-HPLC profile of 2k*](image)

Figure 27. RP-HPLC profile of equimolar mixture of 2k and 2k*

![RP-HPLC profile of equimolar mixture of 2k and 2k*](image)

The RP-HPLC analysis of epimers was carried out using an Agilent instrument (method: gradient 0.1% TFA water-acetonitrile (0–100%) in 20 min; VWD at λ 254 nm; flow rate: 1.0 mL/min; column: Agilent Eclipse, XDB-C18, pore size 5 μm, diameter × length = 4.6 × 150 nm)