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Electronic Supplementary Information (ESI) for

Application of chiral bi- and tetra-dentate bispidine-derived ligands in the Copper (II)-catalyzed asymmetric Henry reaction

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Figure 3. ¹H NMR of compound 2b.



Figure 4. ¹³C NMR of compound **2b**.







Figure 6. ¹³C NMR of compound 2c.







Figure 8. ¹³C NMR of compound 4c.



S2. FT-IR spectra of compounds 1c, 2b, 2c, 4c













Figure 12. FT-IR of compound 4c

S2. NMR titration















S3. Chiral HPLC of nitroalcohols







9.6 9.8 10.0 10.2 10.4 10.6 10.8 11.0 11.2 11.4 11.6 11.8 12.0 12.2 12.4 12.6 12.8 13.0 13.2 13.4 13.6 13.8 14.0 14.2 14.4 1² Retention time (min) 9.2 9.4









S4. ESI-MS spectra.









