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Supporting Information

Synthesis and Effective Catalytic Performance in Cycloaddition Reactions with CO2 of

boronate esters versus N-Heterocyclic Carbene (NHC)-stabilized boronate esters

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Figure S2. FT-IR spectra of boronate ester (1)



Figure S3. FT-IR spectra of boronate ester (2)



Figure S4. FT-IR spectra of boronate ester (3)



Figure S6. FT-IR spectra of (NHC)-stabilized boronate ester (5)



Figure S7. FT-IR spectra of (NHC)-stabilized boronate ester (6)



Figure S8. ¹H and ¹³C-NMR spectra of boronate ester (1)





Figure S10. ¹H and ¹³C-NMR spectra of boronate ester (3)





Figure S12. ¹H and ¹³C-NMR spectra of (NHC)-stabilized boronate ester (5)



Figure S13. ¹H and ¹³C-NMR spectra of (NHC)-stabilized boronate ester (6)



Figure S14. ¹¹B NMR spectra of boronate ester (2)



Figure S15. ¹¹B NMR spectra of boronate ester (3)





Figure S18. LC-MS/MS spectra of boronate ester (1)



Figure S19. LC-MS/MS spectra of boronate ester (2)



Figure S21. LC-MS/MS spectra of (NHC)-stabilized boronate ester (4)



Figure S23. LC-MS/MS spectra of (NHC)-stabilized boronate ester (6)