Electronic Supplementary Material (ESI) for New Journal of Chemistry.


# Supporting Information

# Hydroboration of imines: Intermolecular vs. intramolecular hydride transfer

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**Copies of selected NMR spectra:**

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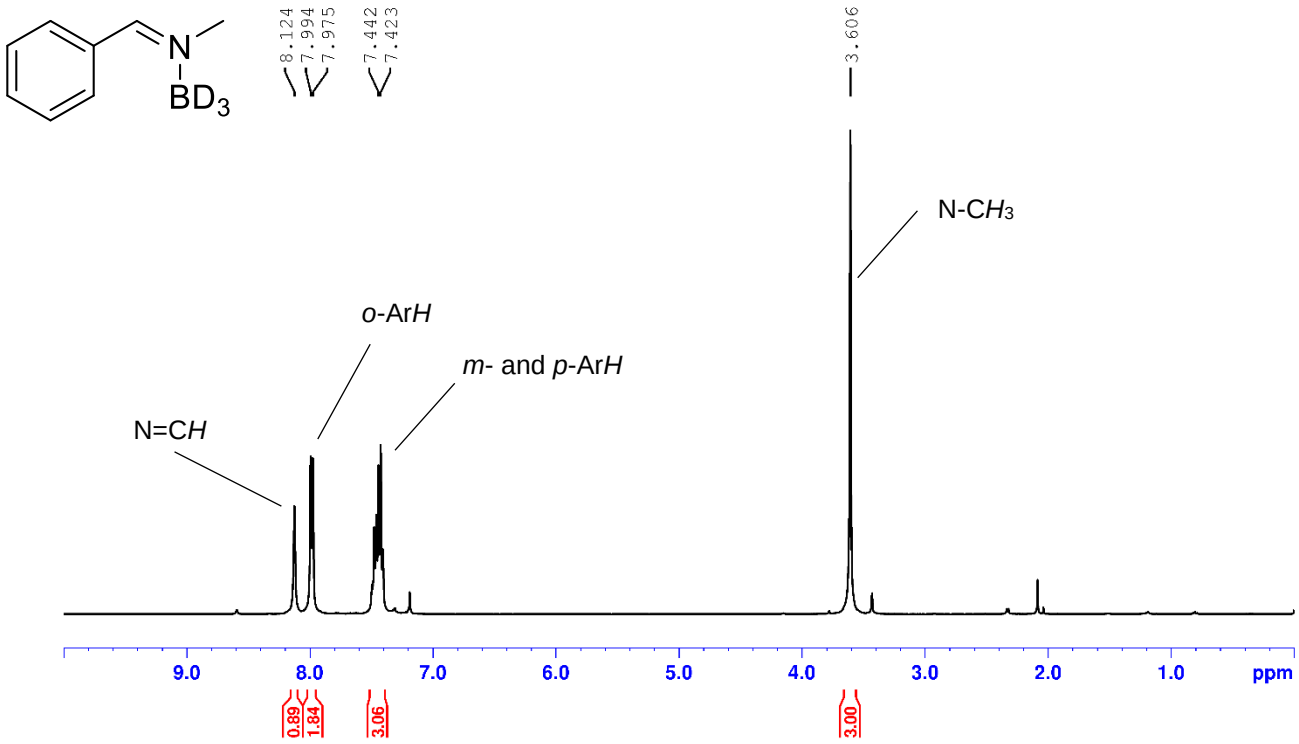


Figure S1. $^{1}$H NMR spectrum for **2b-d$_3$**.

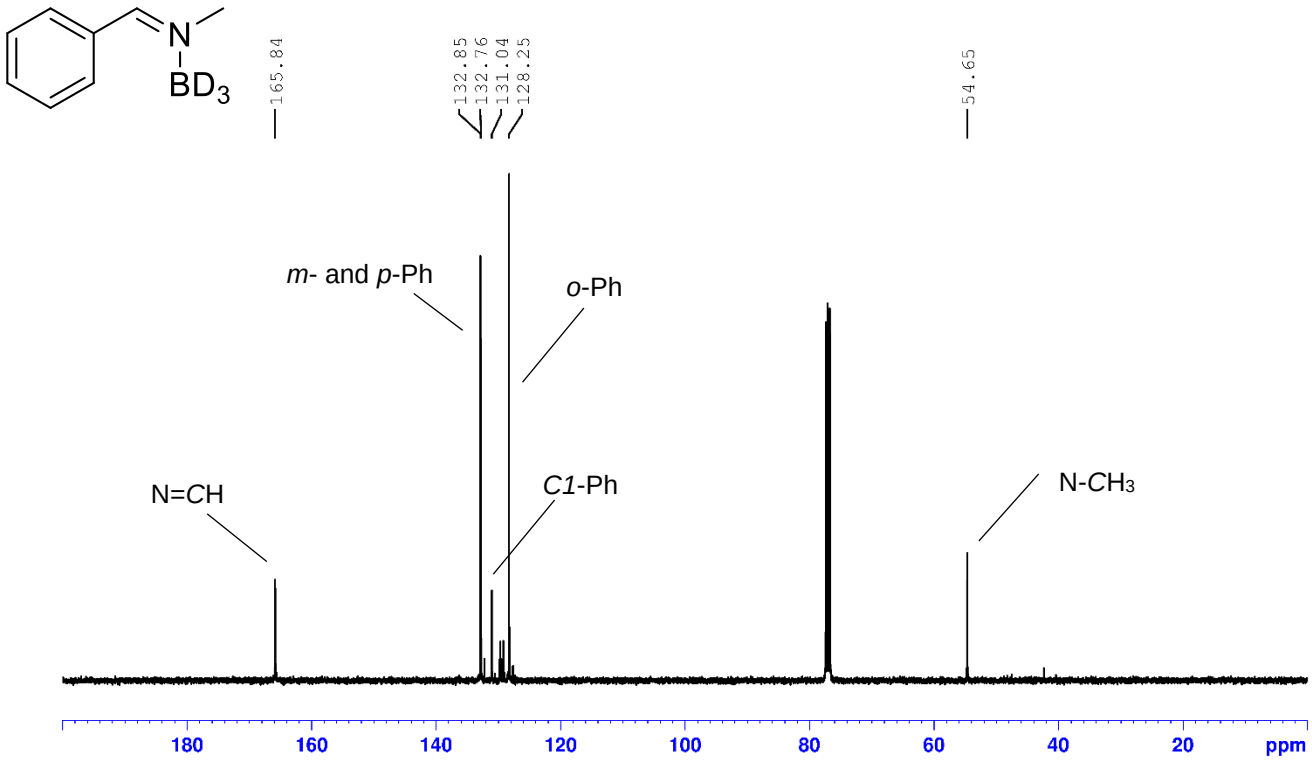


Figure S2. $^{13}$C{$^{1}$H} NMR spectrum for **2b-d$_3$**.

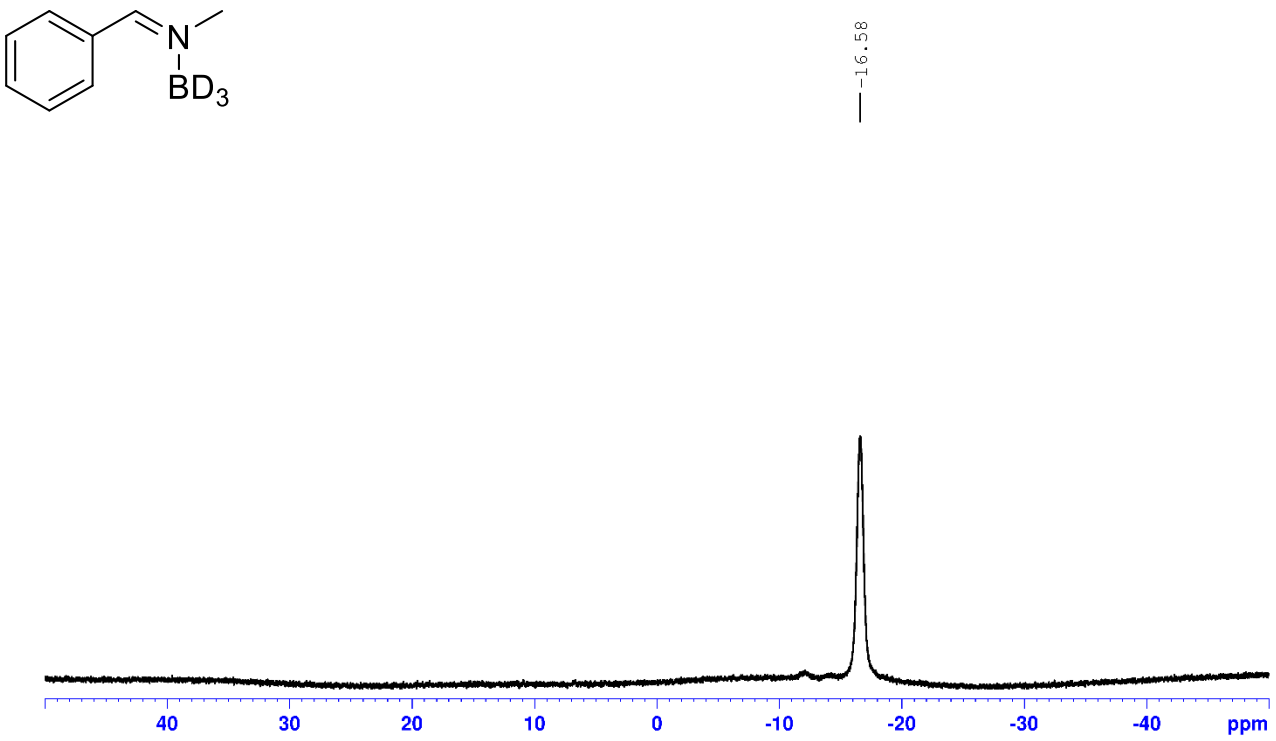


Figure S3. $^{11}$B NMR spectrum for **2b-d$_3$**.

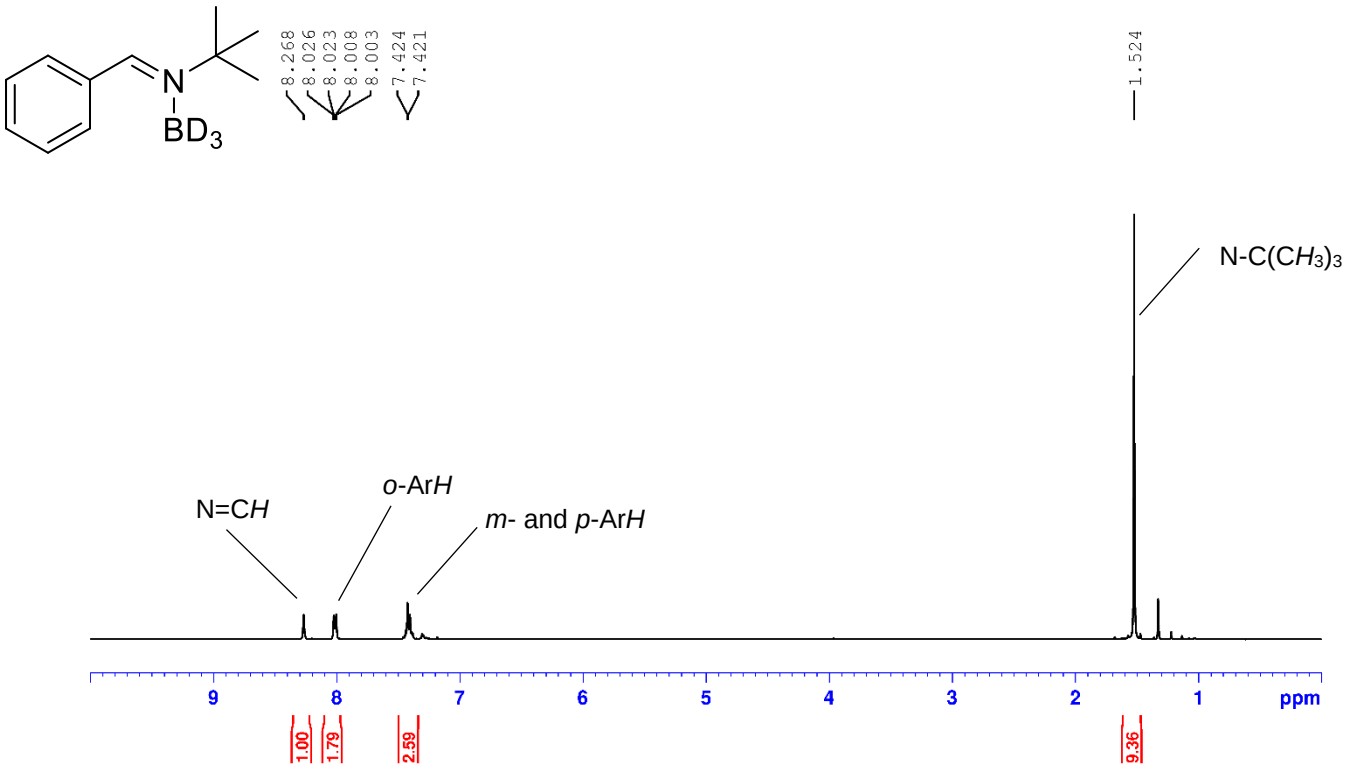


Figure S4. $^{1}$H NMR spectrum for **2c-d$_3$**.

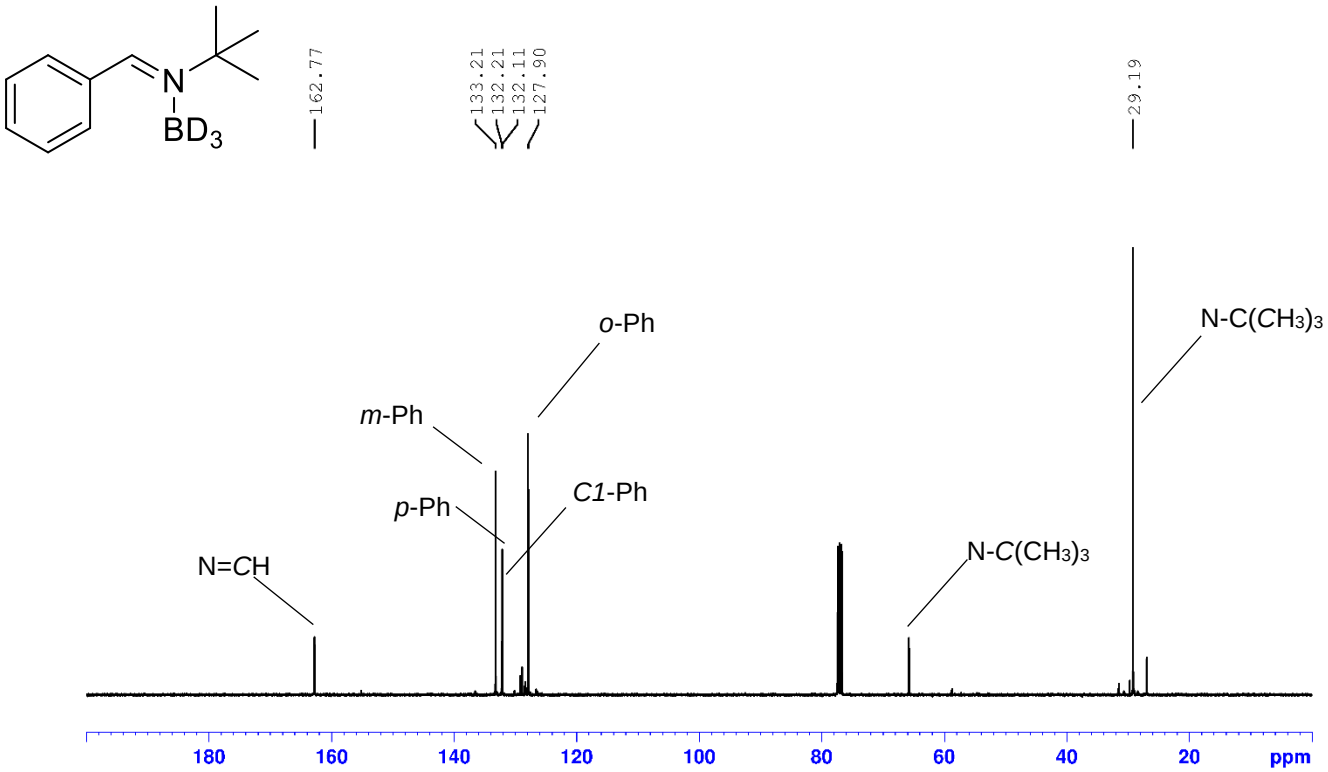


Figure S5. $^{13}C\{^{1}H\}$ NMR spectrum for **2c-d$_3$**.

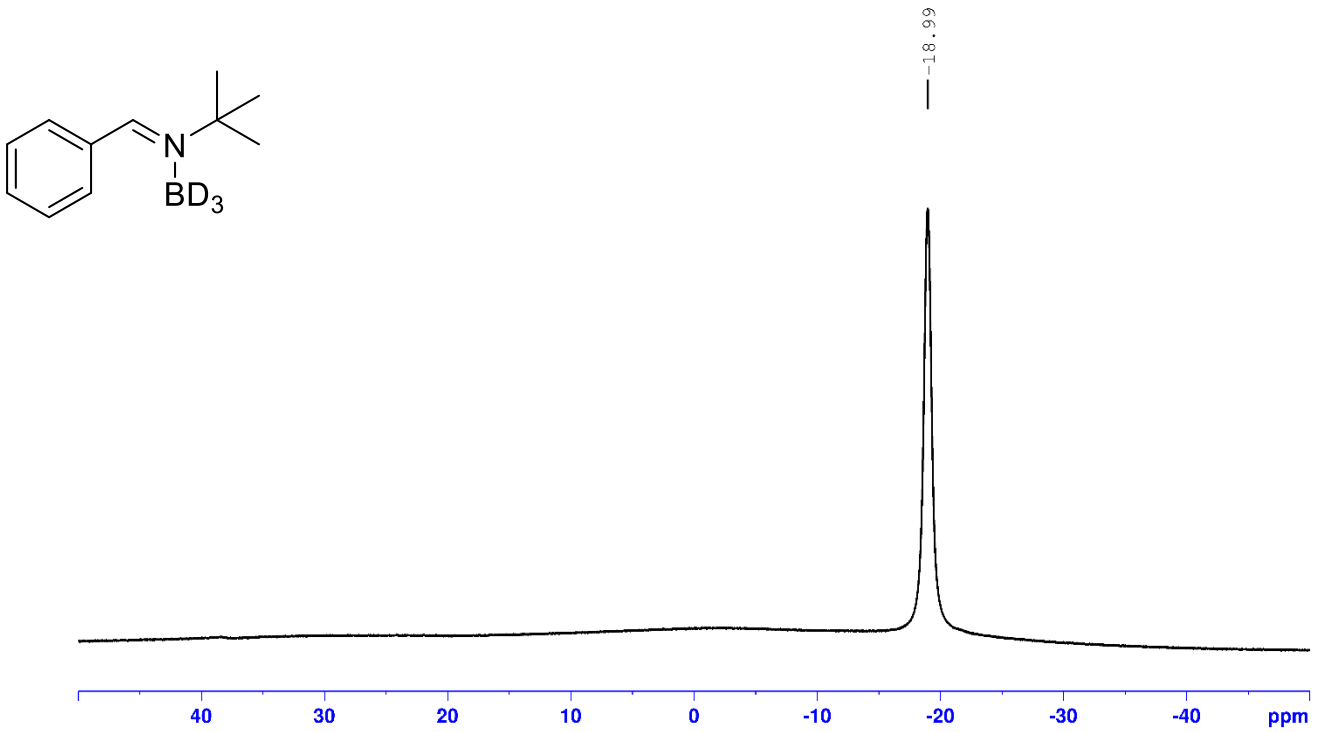


Figure S6. $^{11}B$ NMR spectrum for **2c-d$_3$**.

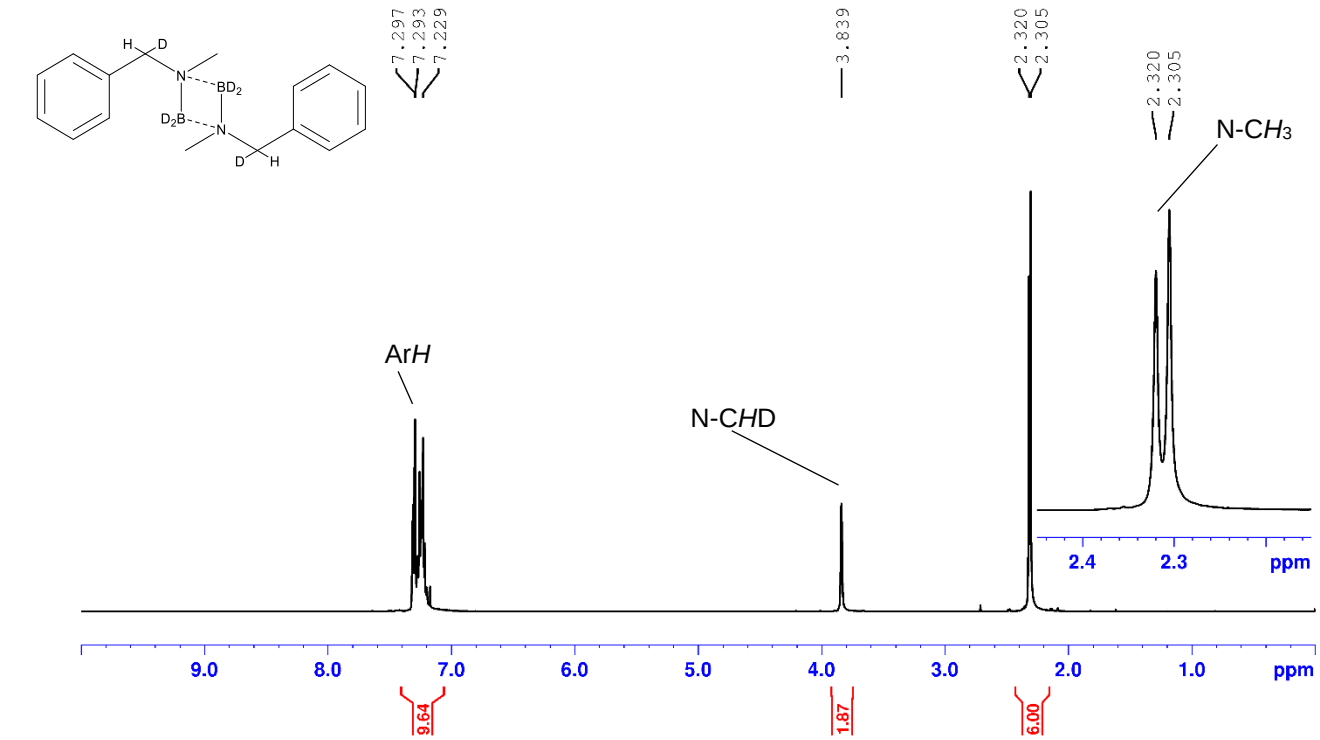


Figure S7. $^{1}$H NMR spetrum for **3b-d$_3$**.

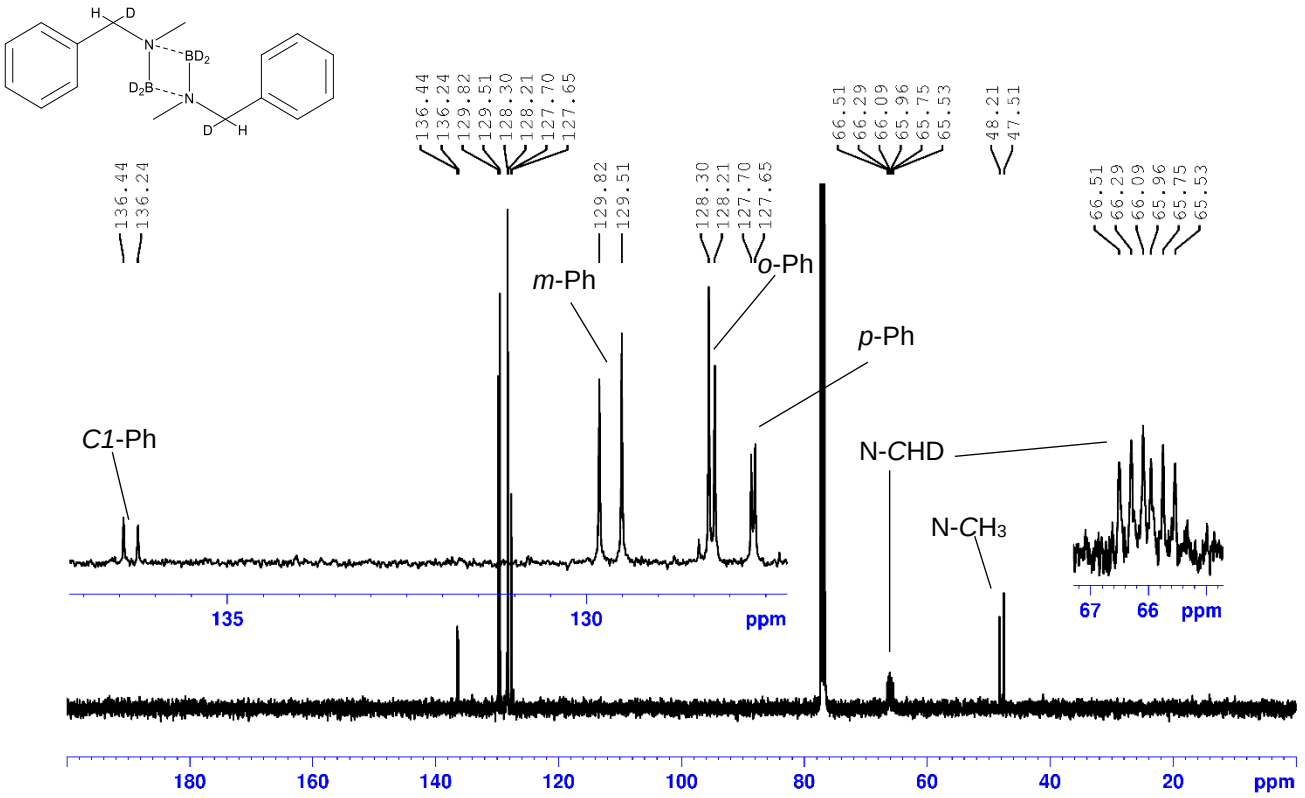


Figure S8. $^{13}$C{$^{1}$H} NMR spetrum for **3b-d$_3$**.

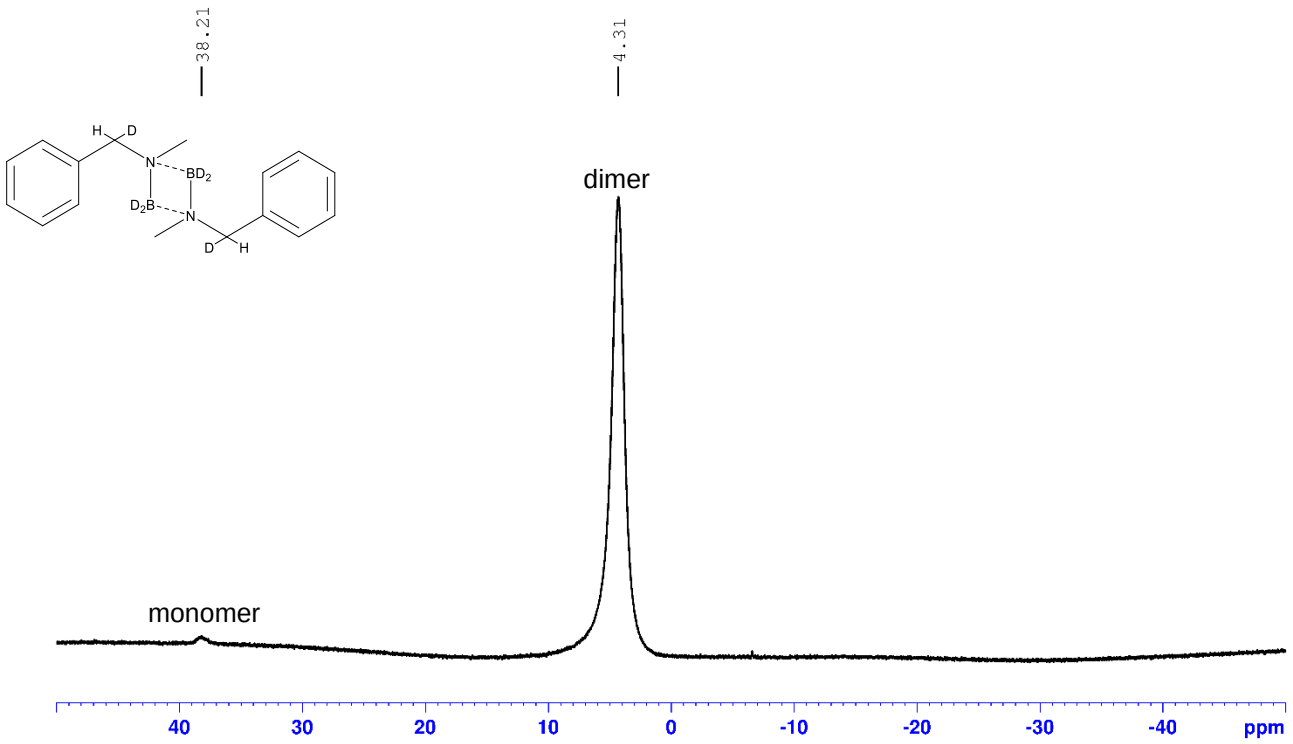


Figure S9. $^{11}$B NMR spectrum for **3b-d$_3$**.

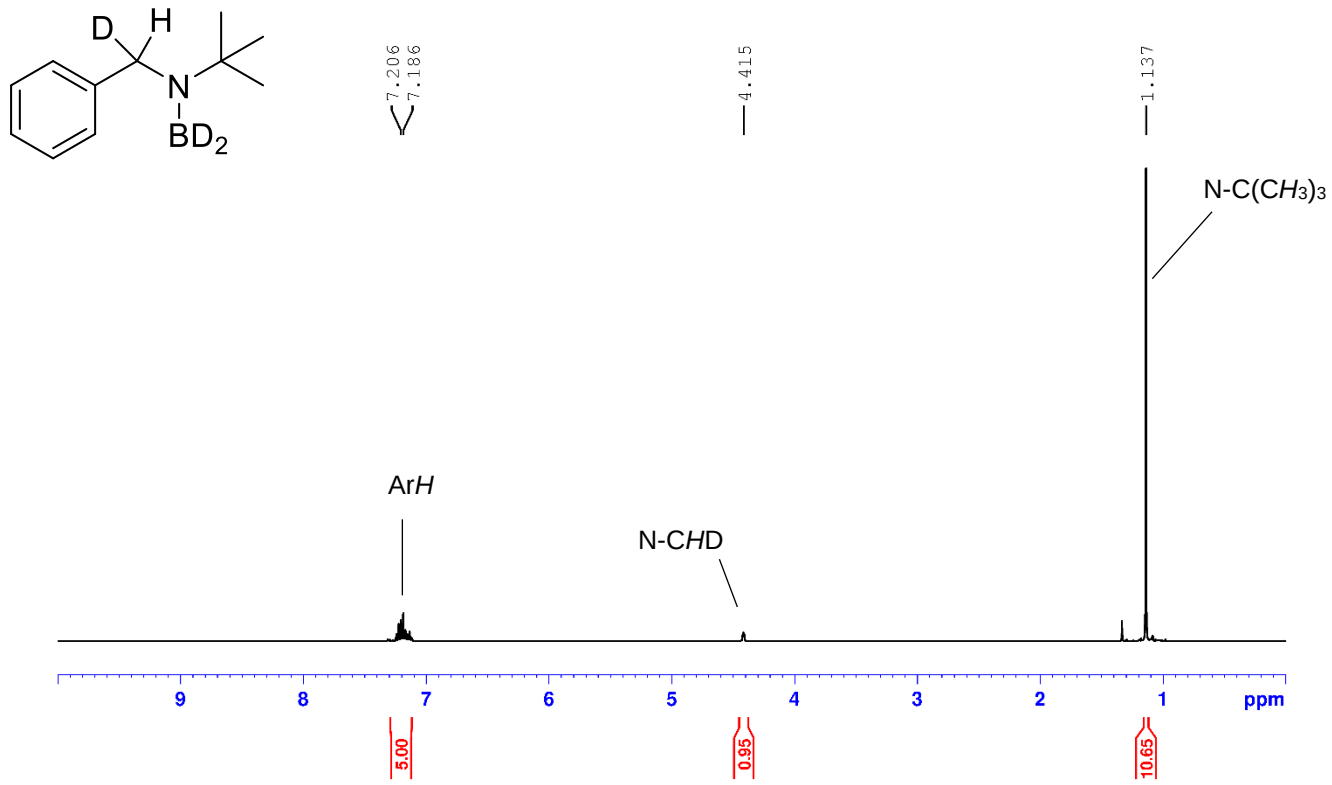


Figure S10. $^{1}$H NMR spetrum for **3c-d$_3$**.

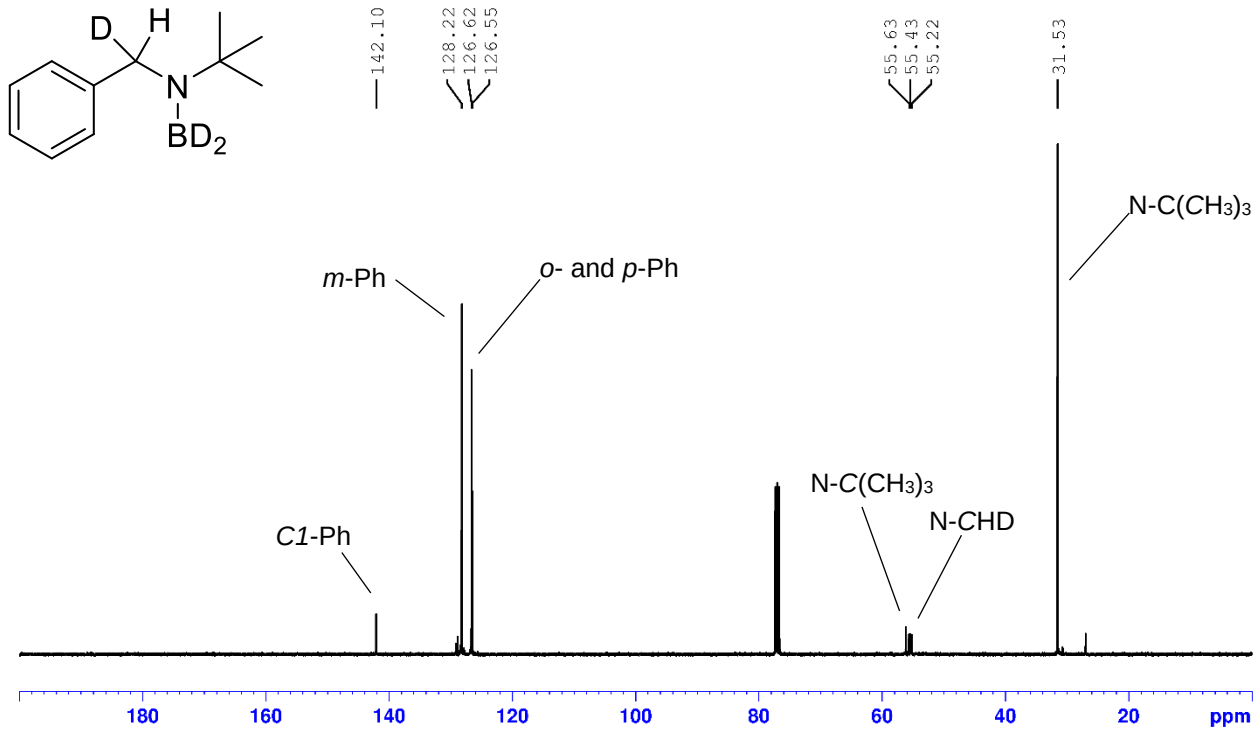


Figure S11. $^{13}C\{^{1}H\}$ NMR spetrum for **3c-d$_3$**.

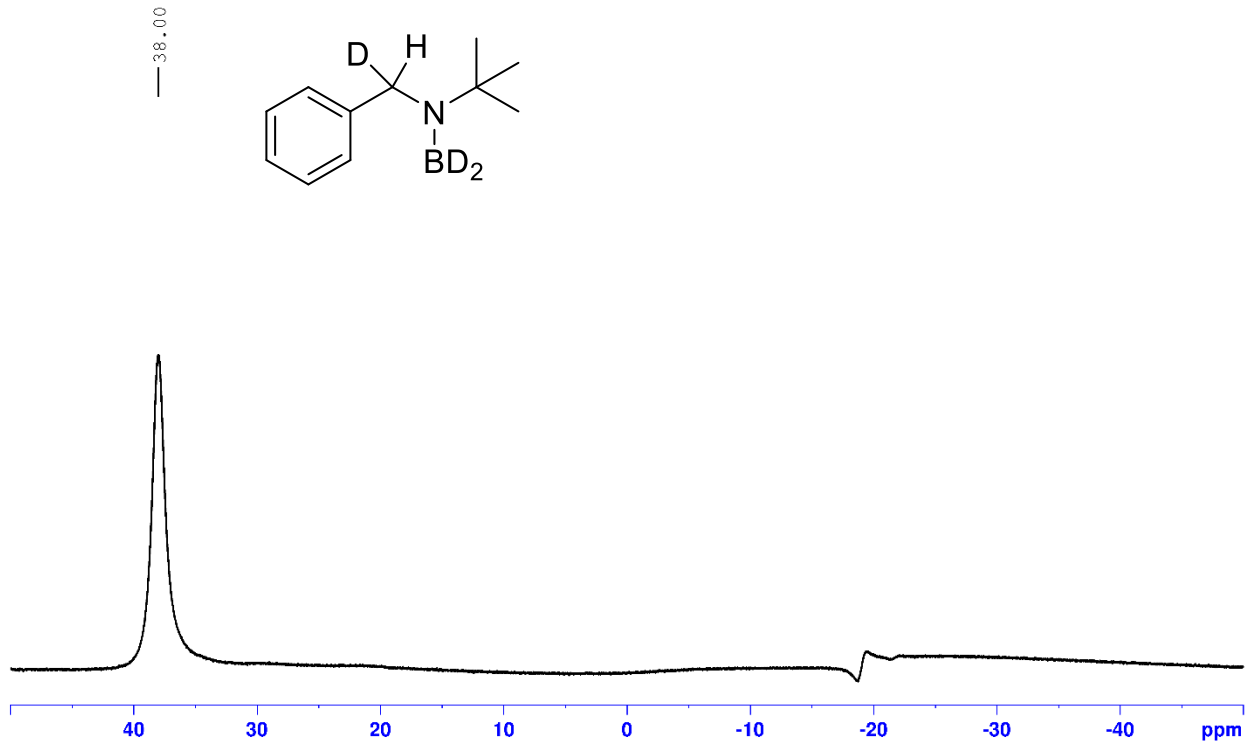


Figure S12. $^{11}B$ NMR spetrum for **3c-d$_3$**.

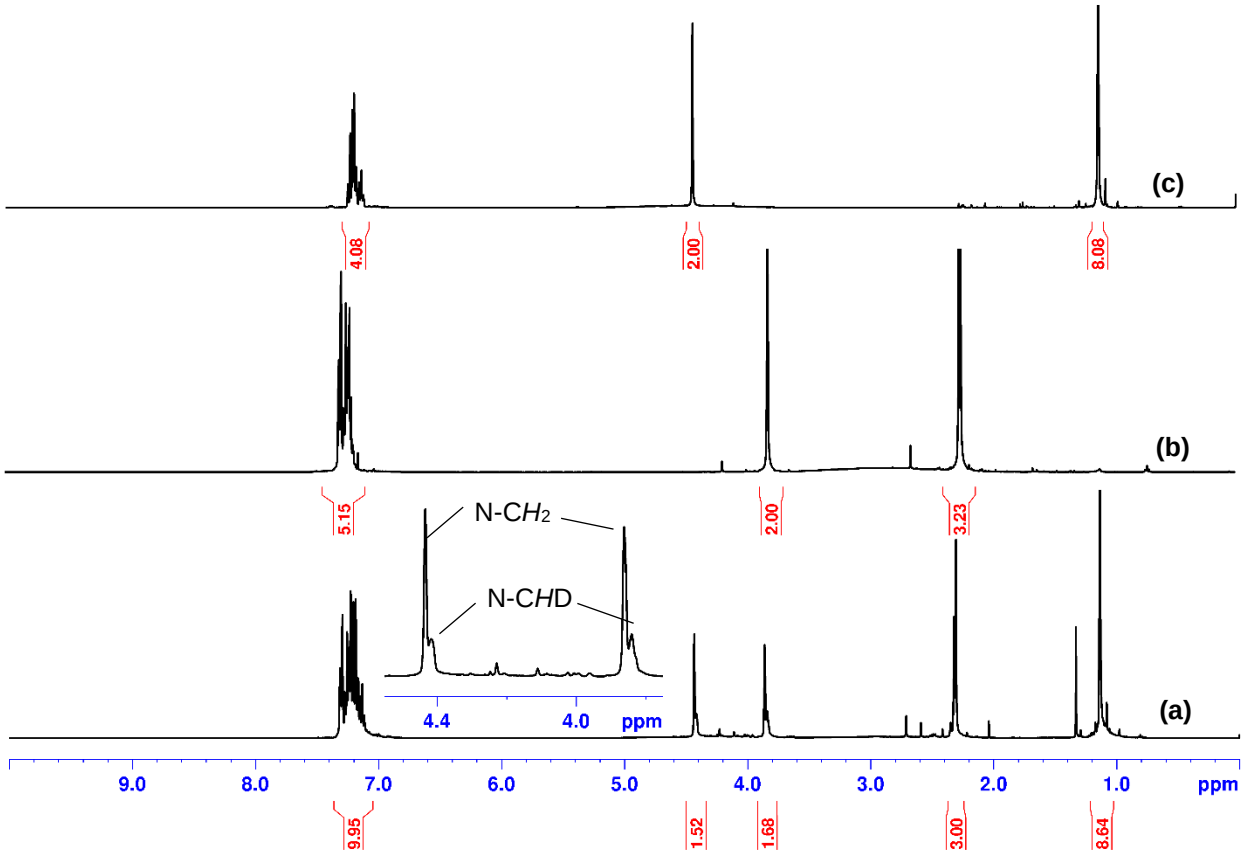


Figure S13: Overlay of the reaction between **2b** and **2c-d$_3$** and (a) with **3b** (b) and **3c** (c).

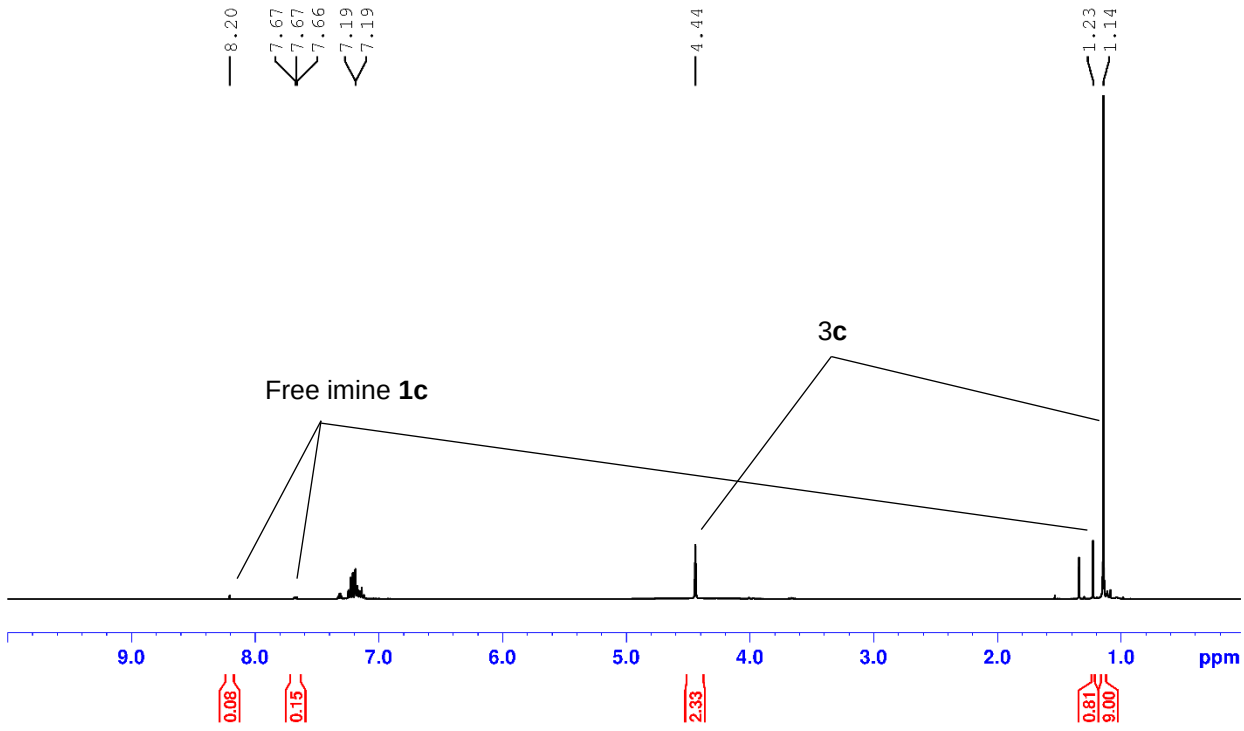


Figure S14. $^1$H NMR of conversion of **2c** to **3c** under “open system”.

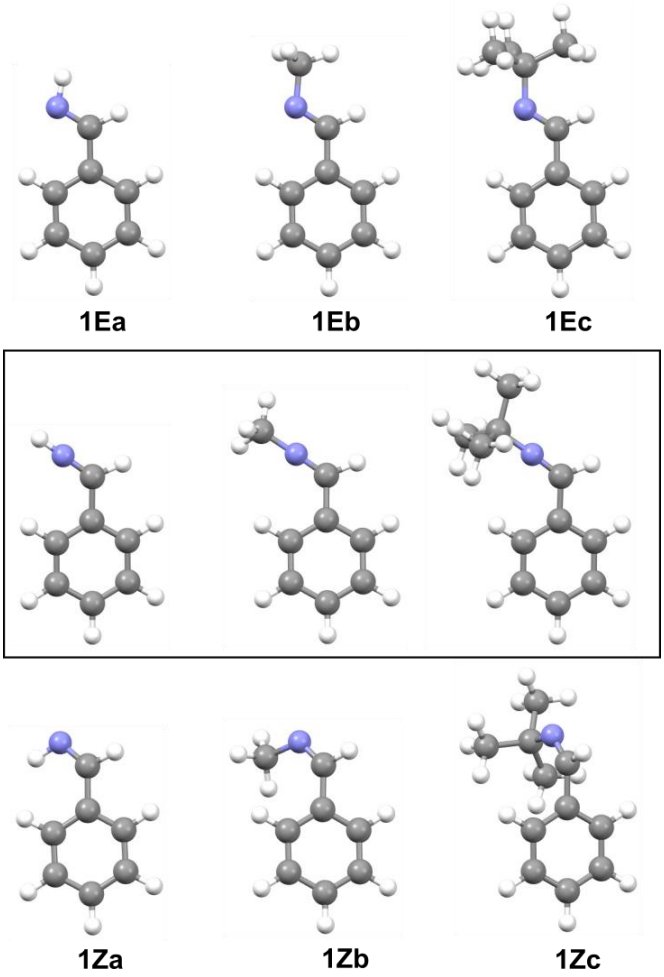


Figure S15. Studied imines (**1E**, top), transition states for alkyl group rotation (middle), and the corresponding rotamers (**1Z**, bottom).

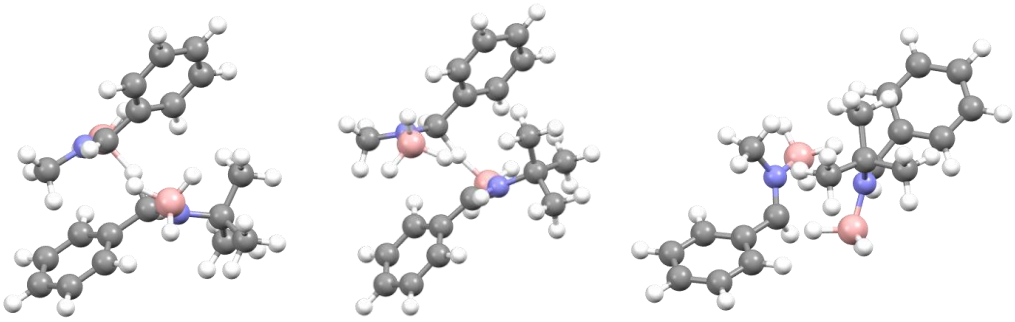

Figure S16. Two transition states for a reaction between **2Eb** and **2Ec** (left and middle) and a transition state for a reaction between **2Zb** and **2Zc** (right).