## **Supporting Information**

## Palladium complexes of *o*-xylyl-linked alkoxybenzimidazolin-2-ylidenes: interesting structural conformations and application as pre-catalysts

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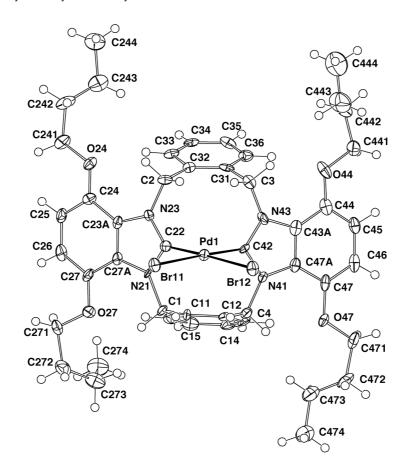


Figure S1. "Front on" projection of a single molecule of **3b**.

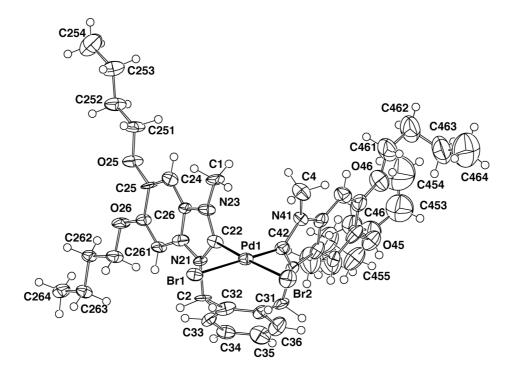


Figure S2. "Front on" projection of a single molecule of 4a.

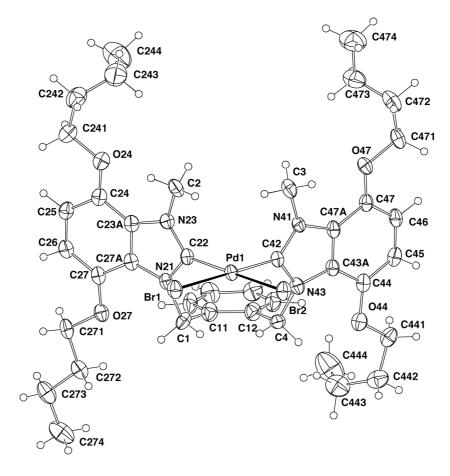


Figure S3. "Front on" projection of a single molecule of cis-4b (anti).

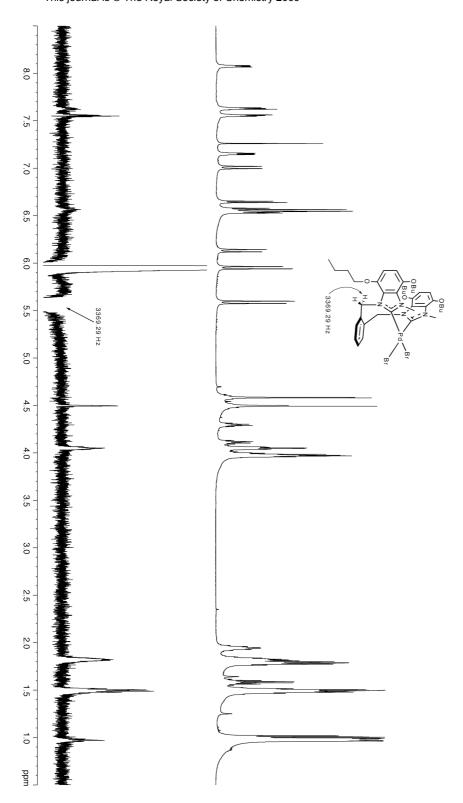


Fig. S4: Selective 1D NOESY (600.13 MHz) spectrum of cis-4b (syn).

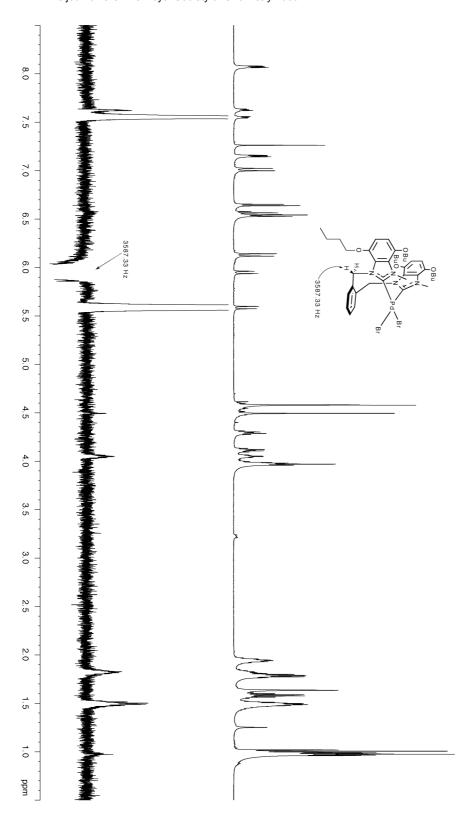


Fig. S5: Selective 1D NOESY spectrum (600.13 MHz) of *cis-4b* (*syn*). Note spectrum was recorded at a later date than other 1D NOESY experiments.

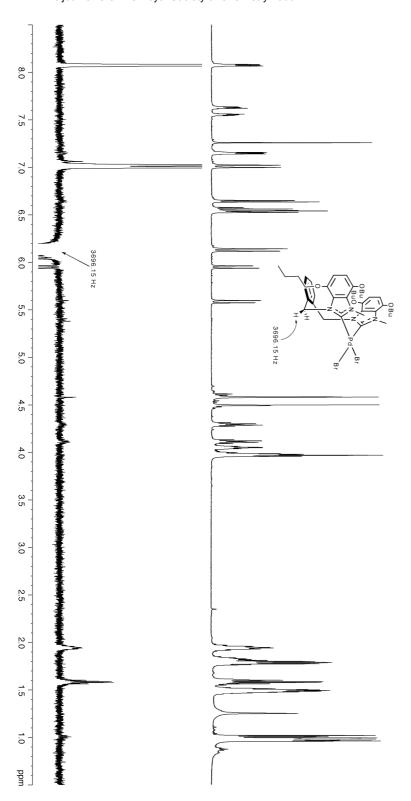


Fig. S6: Selective 1D NOESY spectrum (600.13 MHz) of cis-4b (anti).

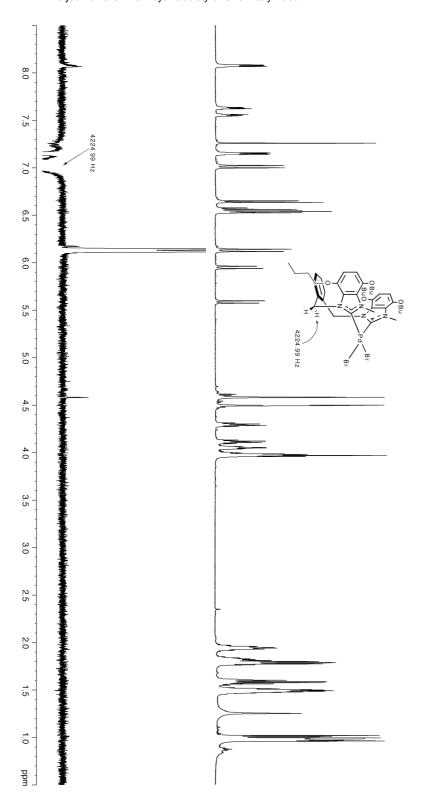


Fig. S7: Selective 1D NOESY spectrum (600.13 MHz) of cis-4b (anti).