Palladium-Catalysed C–H Activation of Aliphatic Amines to give Strained Nitrogen Heterocycles

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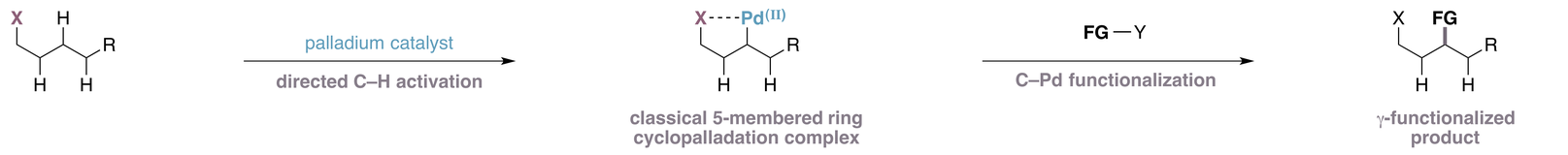
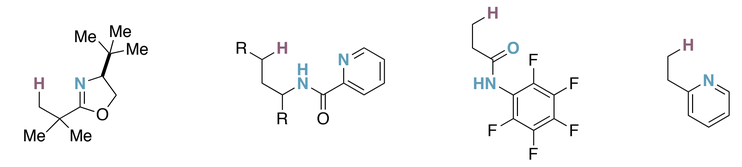
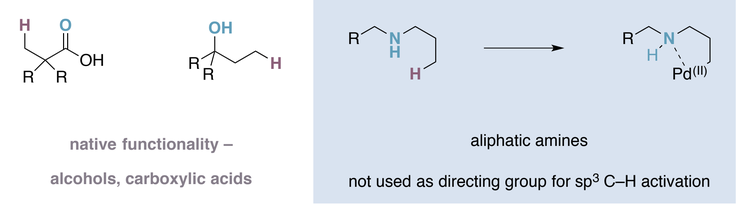
Palladium-Catalyzed C–H Activation Modes: Classical Cyclometallation Pathways Versus Aliphatic Amine-Directed Four-Membered Ring Cyclopalladation

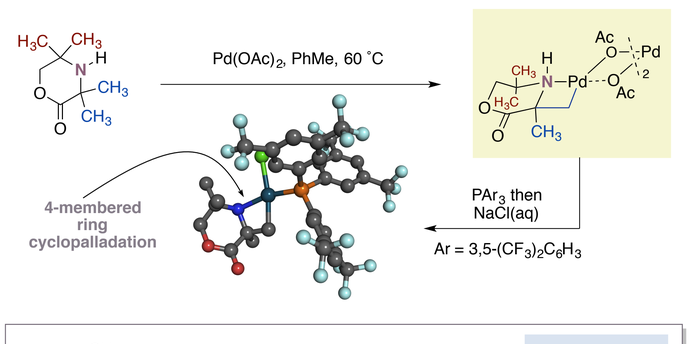


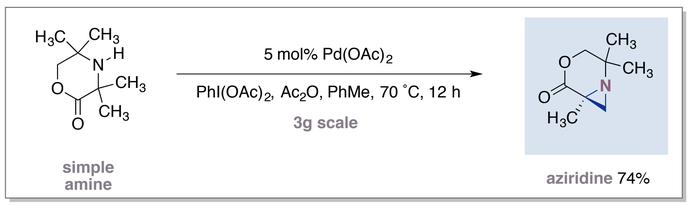


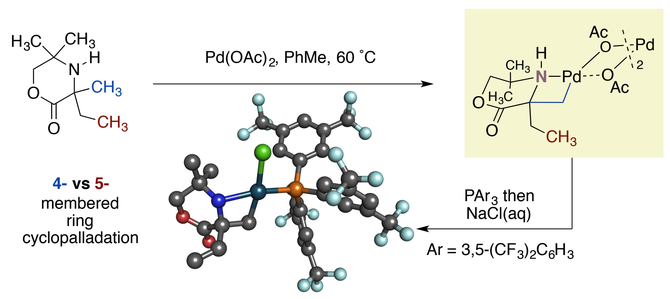
common directing groups for Pd-catalysed C–H activation in aliphatic systems

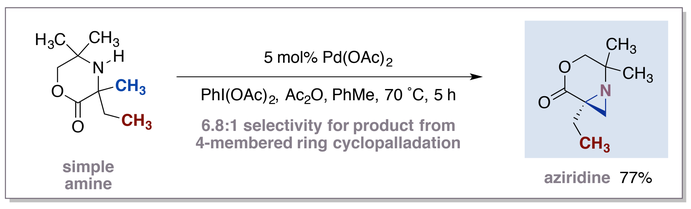


Palladacycle Formation and Aziridination

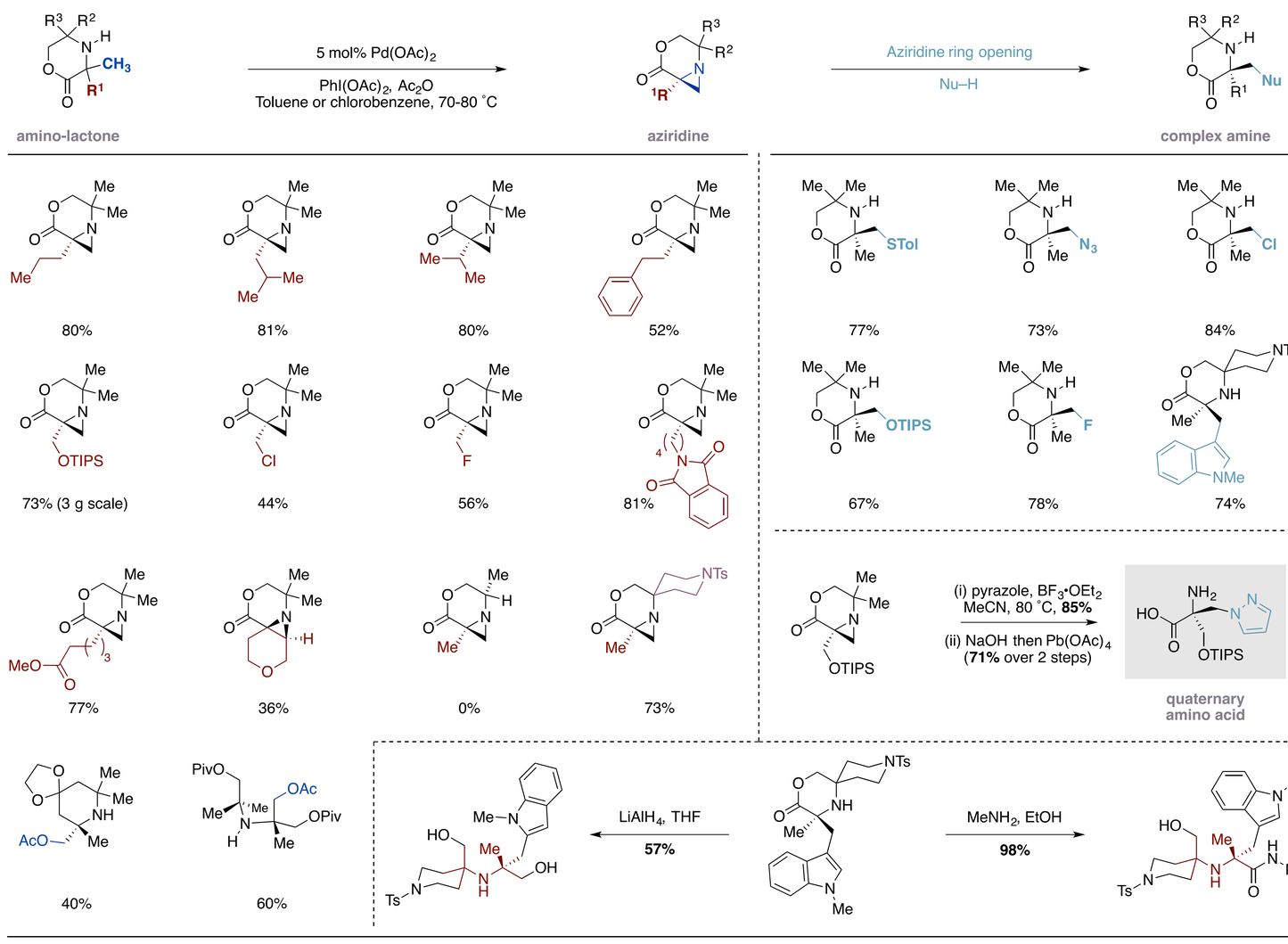




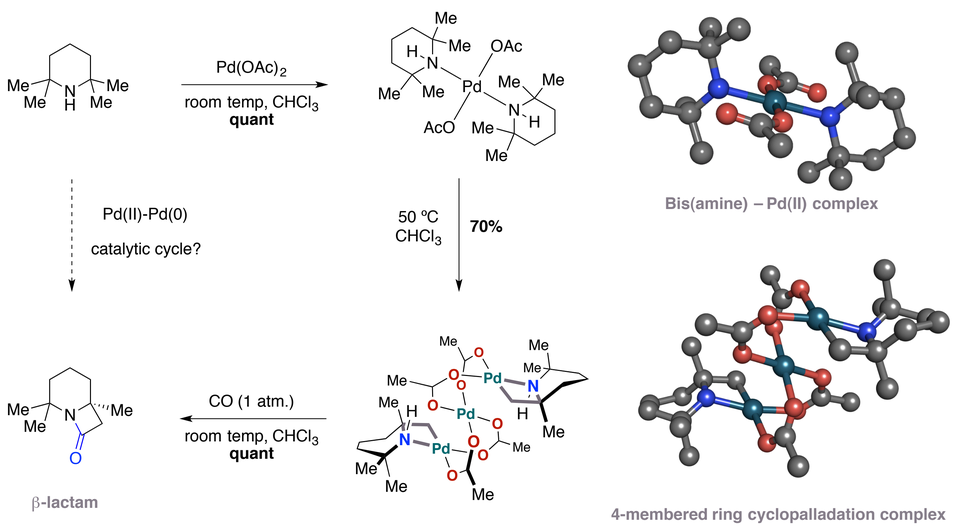




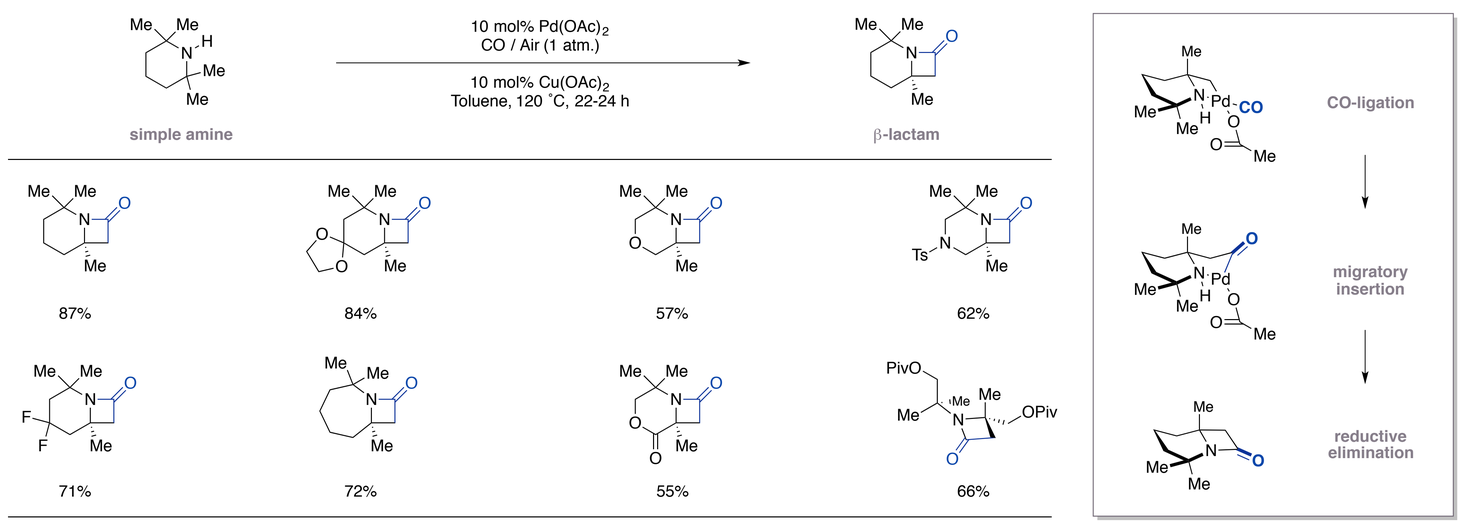
Scope of the Catalytic C–H Aziridination Reaction and Useful Derivatisations



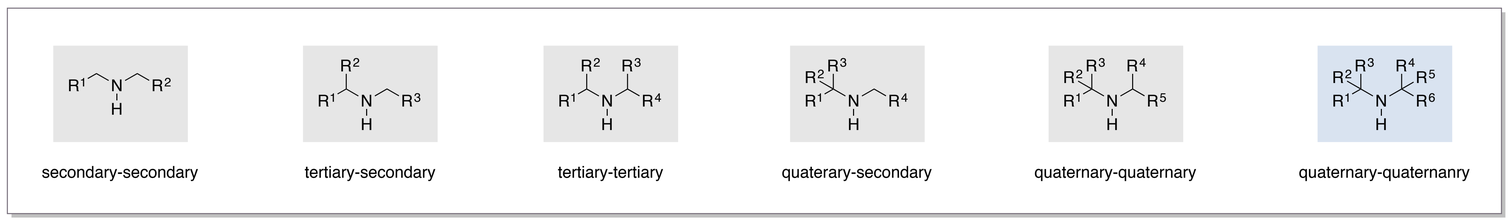
Isolation of TMP-Derived Palladacyles and Carbonylation

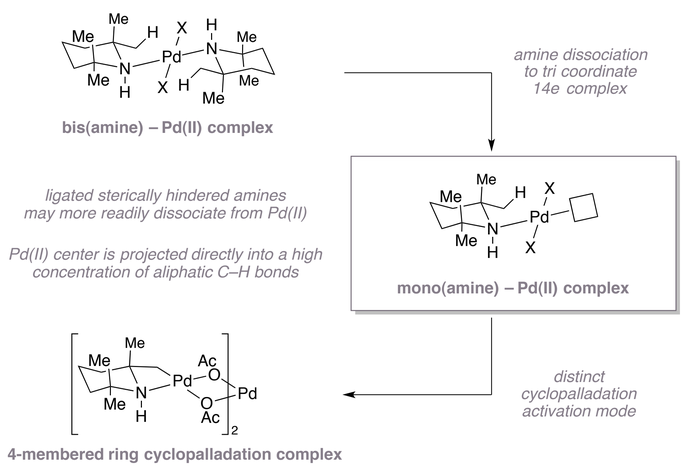


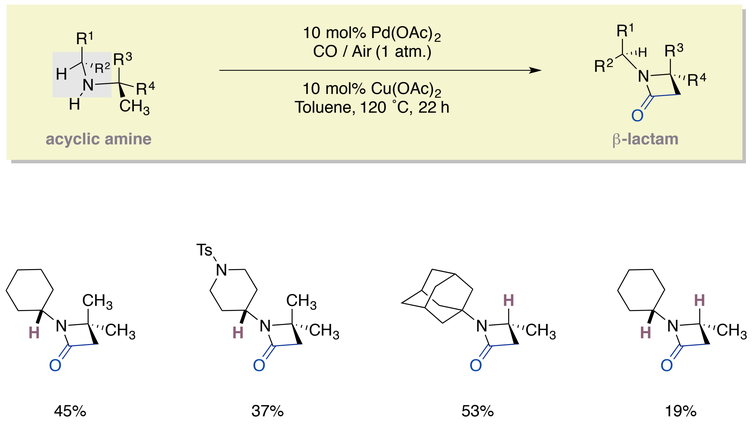
Development of a Catalytic C–H Carbonylation Reaction and Key Intermediates



Extension to Other Classes of Amine Linkages Based on a Mechanistic Hypothesis







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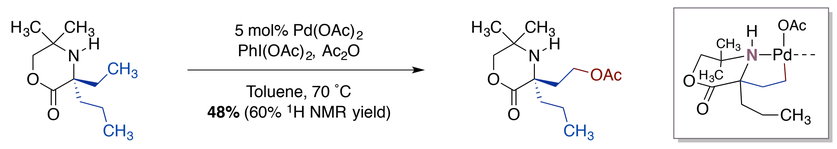
Classical 5-Membered Ring Cyclopalladation



Acknowledgements

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