

Organic Seminar

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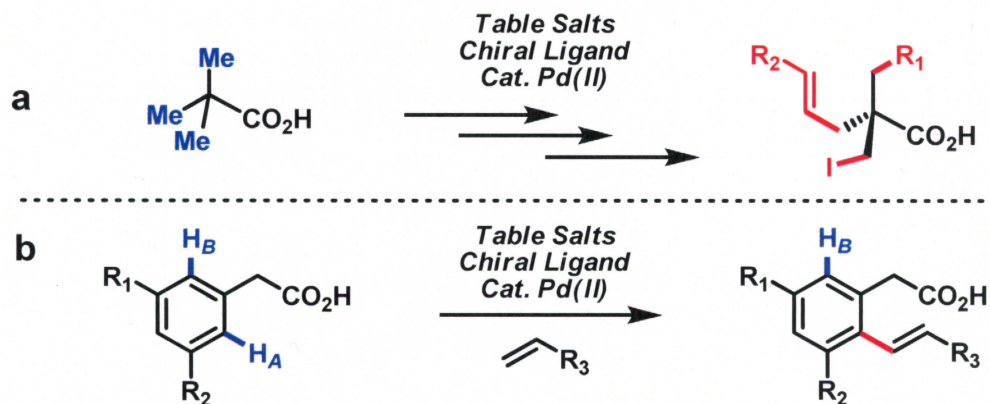
Tuesday, January 26, 2010

3:30 p.m.

Room 1315 Chemistry



Accelerated C–H Activation Reactions: Enantioselectivity and Positional Selectivity



Pd(II)-catalyzed enantioselective and position-selective C–H activation reactions are developed using mono-*N*-protected chiral amino acid ligands. C–H activation intermediates are characterized, offering insights into the origin of the observed stereoselectivity. Moreover, these chiral ligands are found to accelerate drastically C–H activation reactions, shortening the reaction time from two days to 20 minutes.