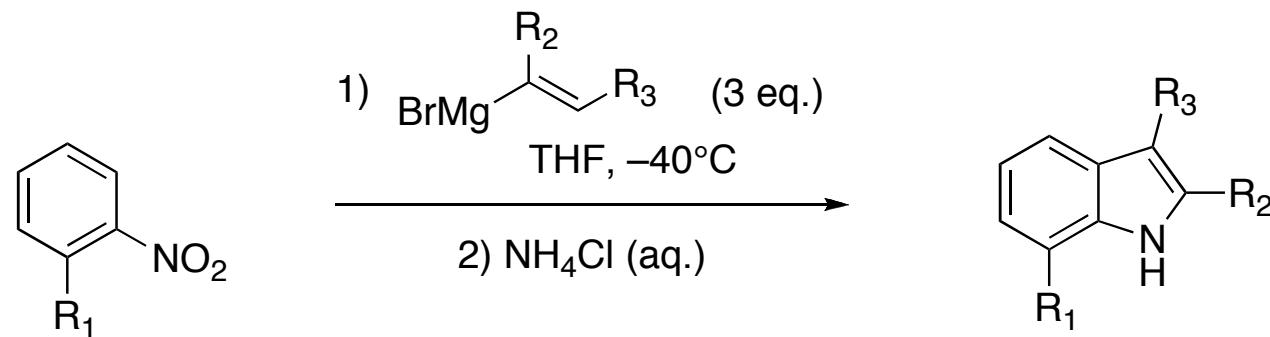


Bartoli Indole Synthesis

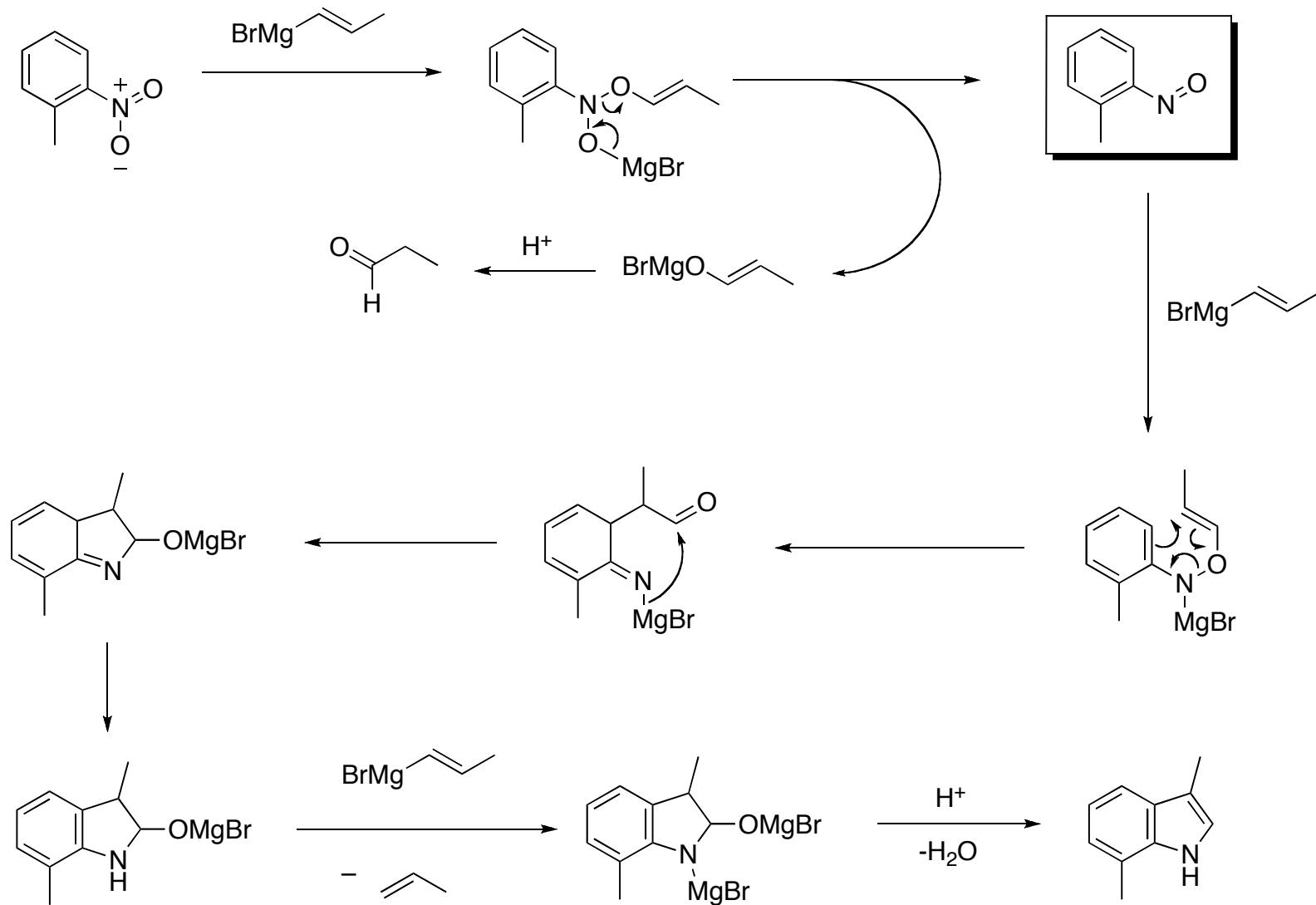
Alex Predeus
February 20, 2009

Bartoli Reaction

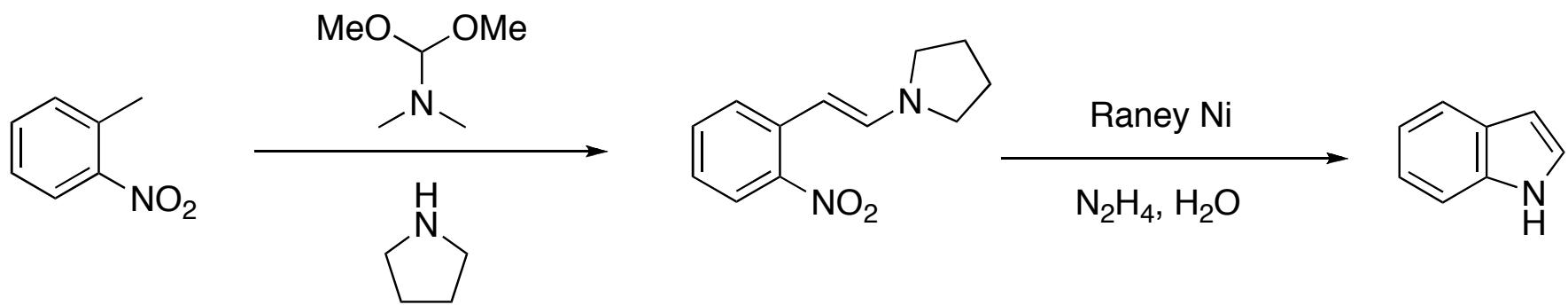


- presence of ortho-substituent is crucial;
- yields are moderate;
- R_1 - R_3 have to be tolerated by Grignard reagents.

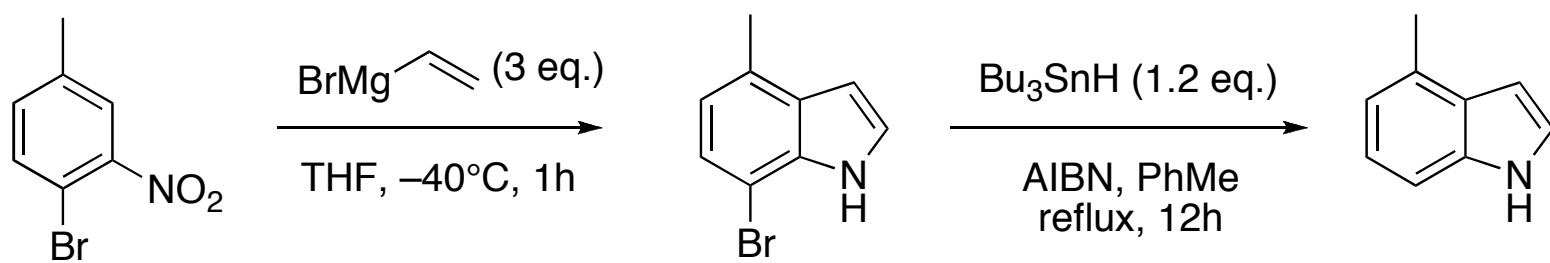
Reaction Mechanism



Synthetically Related Method: Leimgruber-Batcho Indole Synthesis



Dobbs Modification: Removal of the *ortho*-substituent



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