**Regio- and Stereoselective Cross Coupling of
Substituted Olefins and Imines.**

**A Convergent Stereoselective Synthesis of
Saturated 1,5-Aminoalcohols and Substituted
Piperidines**

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SUPPORTING INFORMATION - 2

^1H and ^{13}C NMR Spectra

16

¹H NMR (500 MHz) and ¹³C NMR (126 MHz) of compound **16**

¹H NMR (500 MHz) and ¹³C NMR (126 MHz) of compound **19**

¹H NMR (500 MHz) and ¹³C NMR (126 MHz) of compound **22**

¹H NMR (500 MHz) and ¹³C NMR (126 MHz) of compound **25**

^1H NMR (500 MHz) and ^{13}C NMR (126 MHz) of compound **25a**

17

¹H NMR (500 MHz) and ¹³C NMR (126 MHz) of compound **17**

¹H NMR (500 MHz) and ¹³C NMR (126 MHz) of compound **20**

^1H NMR (500 MHz) and ^{13}C NMR (126 MHz) of compound **23**

¹H NMR (500 MHz) and ¹³C NMR (126 MHz) of compound **26**

^1H NMR (500 MHz) and ^{13}C NMR (126 MHz) of compound **26a**

^1H NMR (500 MHz) and ^{13}C NMR (126 MHz) of compound **29**

^1H NMR (500 MHz) and ^{13}C NMR (126 MHz) of compound **31**

^1H NMR (500 MHz) and ^{13}C NMR (126 MHz) of compound **30**

¹H NMR (500 MHz) and ¹³C NMR (126 MHz) of compound **32**

^1H NMR (500 MHz) and ^{13}C NMR (126 MHz) of compound **34**

^1H NMR (500 MHz) and ^{13}C NMR (126 MHz) of compound **36**

^1H NMR (500 MHz) and ^{13}C NMR (126 MHz) of compound **36a**

^1H NMR (500 MHz) and ^{13}C NMR (126 MHz) of compound **ent-36**

41

^1H NMR (500 MHz) and ^{13}C NMR (126 MHz) of compound **41** (from **34**)

***ent*-43**

^1H NMR (500 MHz) and ^{13}C NMR (126 MHz) of compound *ent*-43

41

^1H NMR (500 MHz) and ^{13}C NMR (126 MHz) of compound **41** (from **36a**)

43

¹H NMR (500 MHz) and ¹³C NMR (126 MHz) of compound **43**

¹H NMR (500 MHz) and ¹³C NMR (126 MHz) of compound **42** (from **34**)

^1H NMR (500 MHz) and ^{13}C NMR (126 MHz) of compound ***ent-44***

^1H NMR (500 MHz) and ^{13}C NMR (126 MHz) of compound **42** (from **36a**)

^1H NMR (500 MHz) and ^{13}C NMR (126 MHz) of compound **44**

35

¹H NMR (500 MHz) and ¹³C NMR (126 MHz) of compound **35** (from **34**)

***ent*-37**

¹H NMR (500 MHz) and ¹³C NMR (126 MHz) of compound *ent*-37

35

¹H NMR (500 MHz) and ¹³C NMR (126 MHz) of compound **35** (from **36a**)

^1H NMR (500 MHz) and ^{13}C NMR (126 MHz) of compound **37**