Supporting Information

Selective Conversion of Diallylanilines and Arylimines to Quinolines

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**Experimental procedure and Kinetic data for
the reaction of diallylaniline with $\text{Co}_2(\text{CO})_8$**

Kinetic studies

The kinetics of the reaction of diallylaniline with $\text{Co}_2(\text{CO})_8$ was followed by NMR in THF-d_8 . Using hexamethylbenzene as an internal standard and with $[\text{Co}_2(\text{CO})_8] = 5\text{mM}$ and CO at 720mm of Hg, the concentration of diallylaniline was varied between 0.045-0.125M. The reaction was heated in a constant temperature oil bath at 100 °C and followed by NMR at regular intervals. A plot of initial rate versus the square of the diallylaniline concentration gives a straight line.

[Diallylaniline] M	Initial rate (M h^{-1})
0.045	0.0025
0.063	0.0049
0.084	0.0088
0.124	0.0186