



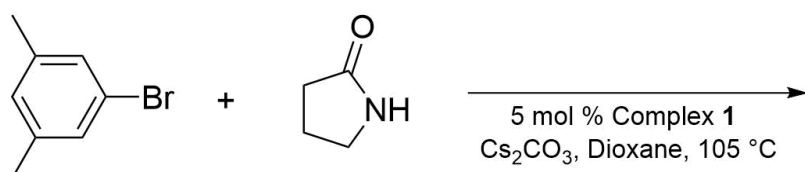
STRUCTURAL
CHEMISTRY

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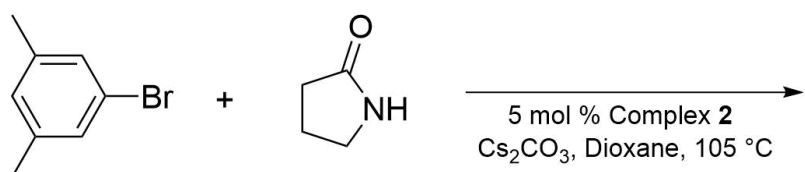
Supporting information for article:

Structural trends in a series of bulky dialkylbiaryl-phosphane complexes of Cu^I

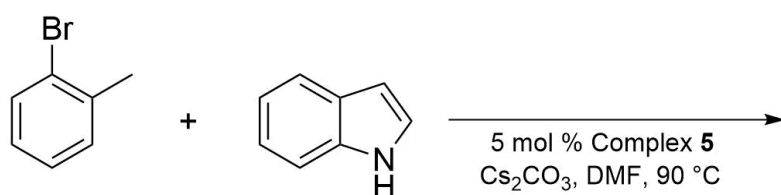
Sidney S. Woodhouse, Jenna K. Buchanan, Tyson N. Dais, Eric W. Ainscough, Andrew M. Brodie, Graham H. Freeman and Paul G. Plieger



1-Bromo-3,5-dimethylbenzene (100 mg, 0.54 mmol), 2-Pyrrolidone (55 mg, 0.65 mmol), complex **1** (16 mg, 0.027 mmol), Cs₂CO₃ (528 mg, 1.6 mmol) and dioxane (3 mL) were placed in a round bottom flask which was flushed with argon, sealed and heated at 105 °C overnight. ¹H NMR spectroscopic analysis indicated that the reaction had not occurred.



1-Bromo-3,5-dimethylbenzene (100 mg, 0.54 mmol), 2-Pyrrolidone (55 mg, 0.65 mmol), complex **2** (16 mg, 0.027 mmol), Cs₂CO₃ (528 mg, 1.6 mmol) and dioxane (3 mL) were placed in a round bottom flask which was flushed with argon, sealed and heated at 105 °C overnight. ¹H NMR spectroscopic analysis indicated that the reaction had not occurred.



1-Bromo-2-methylbenzene (100 mg, 0.58 mmol), indole (102 mg, 0.88 mmol), complex **5** (17 mg, 0.03 mmol), Cs₂CO₃ (571 mg, 1.8 mmol) and DMF (3 mL) were placed in a round bottom flask which was flushed with argon, sealed and heated at 90 °C overnight. ¹H NMR spectroscopic analysis indicated that the reaction had not occurred.