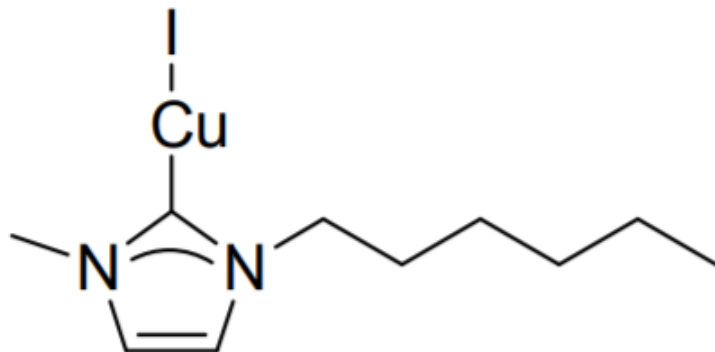
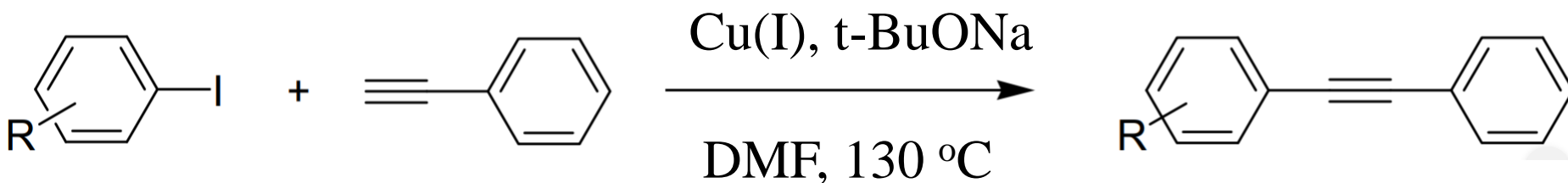


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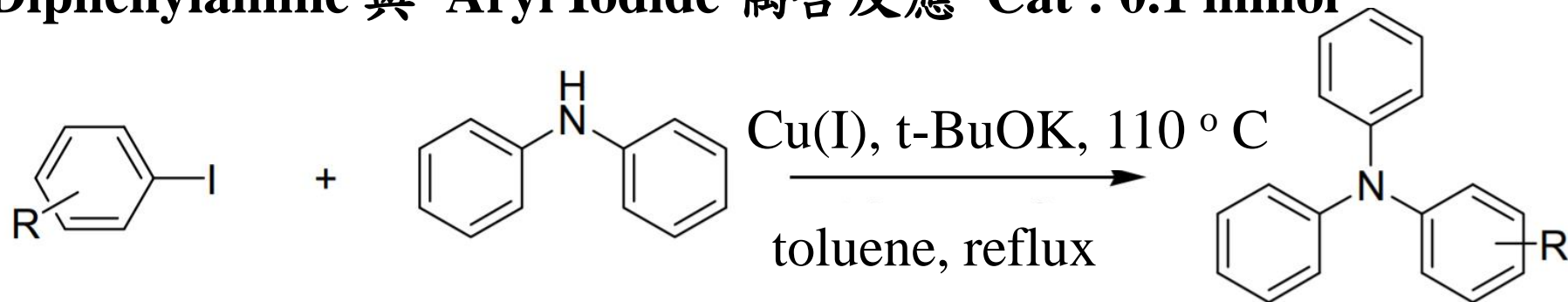
Cat:



Sonogashira 偶合反應的催化應用 Cat : 0.1 mmol

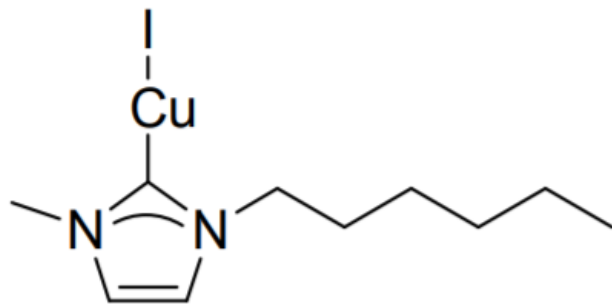


Diphenylamine 與 Aryl Iodide 偶合反應 Cat : 0.1 mmol



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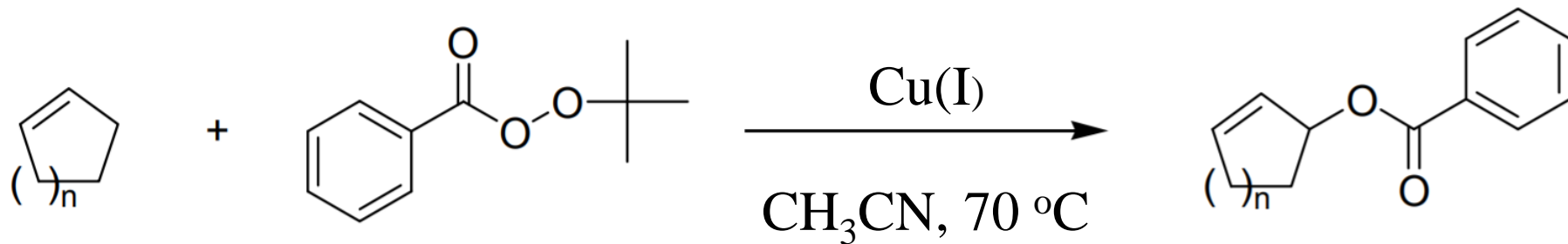
Cat:



Pyrrole 與 Aryl Iodide 偶合反應 Cat :0.1 mmol



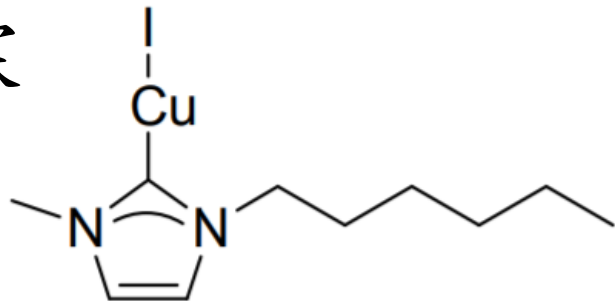
烯類的丙烯基氧化反應的催化應用 Cat :0.05 mmol



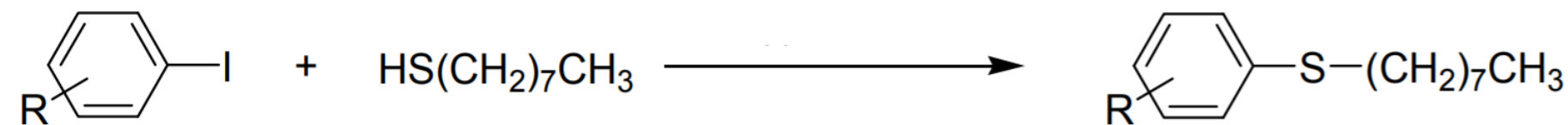
n = 1, 2, 4

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Cat:



碳-硫 (C-S) 鍵偶合反應的催化應用 Cat :0.1 mmol



Condition 1: Cu(I), t-BuONa, DMF, 130 °C

2: Cu(I), t-BuONa, DMF, MW(600W 50-60s)