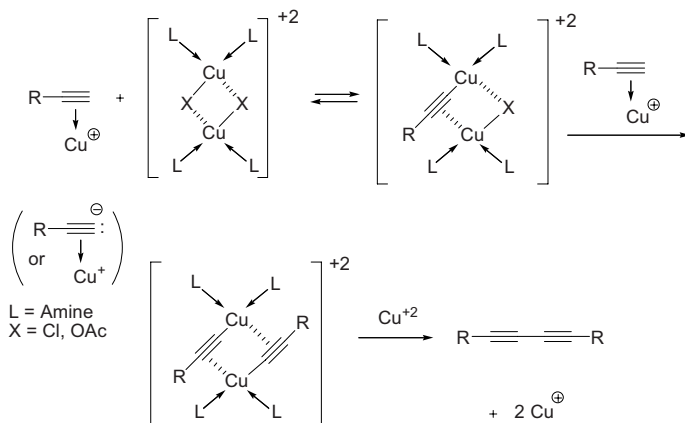
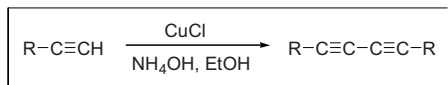
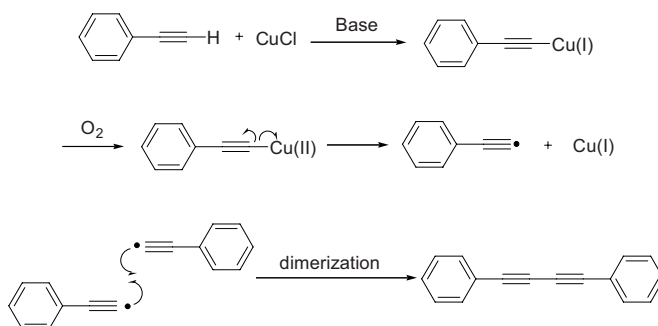


Glaser coupling

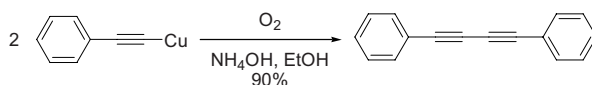
Oxidative homo-coupling of terminal alkynes using copper catalyst in the presence of oxygen.

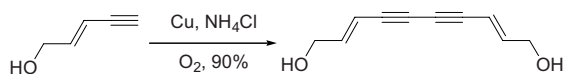
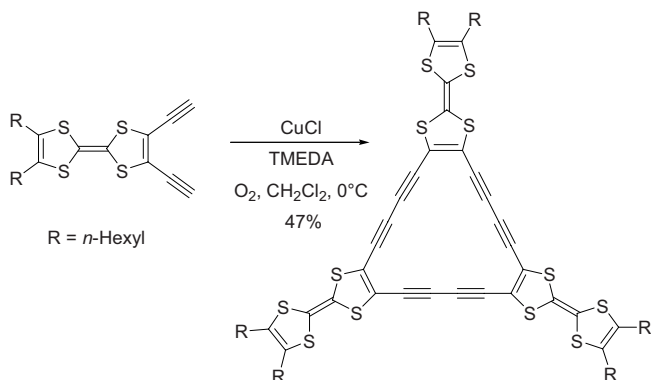


Alternatively, the radical mechanism is also operative:



Example 1¹



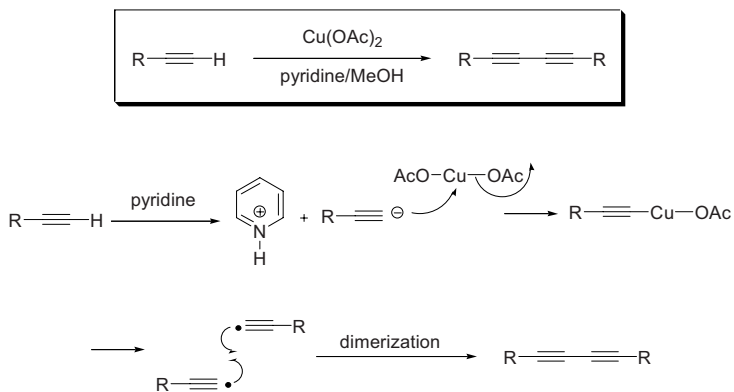
Example 2, Homo-coupling²Example 3⁷

References

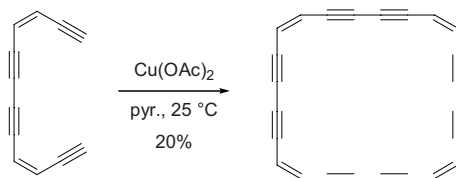
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Eglinton coupling

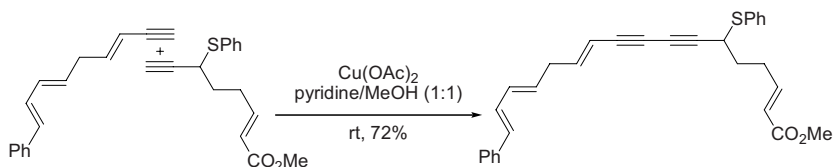
Oxidative homo-coupling of terminal alkynes mediated by stoichiometric (or often excess) $\text{Cu}(\text{OAc})_2$. A variant of the Glaser coupling reaction.



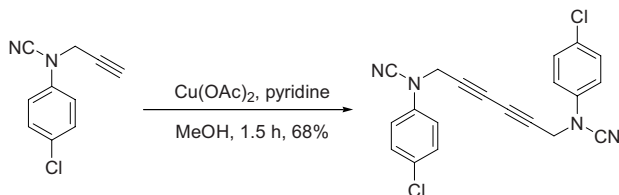
Example 1²

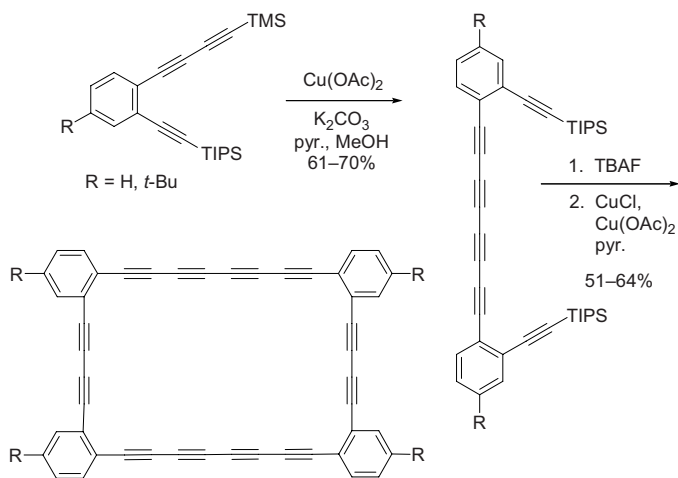
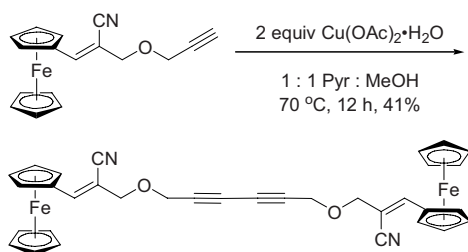
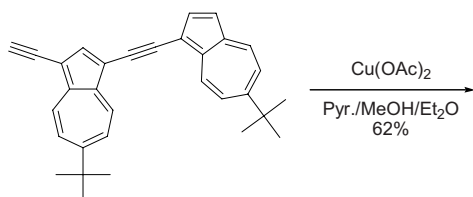


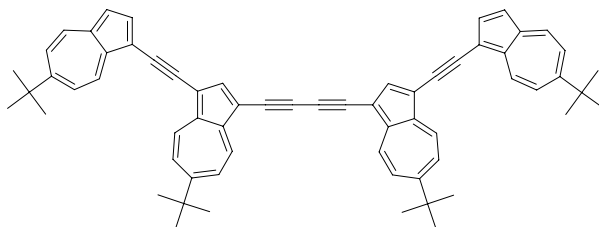
Example 2, Cross-coupling³



Example 3, Homo-coupling⁴



Example 4⁵Example 5¹¹Example 6¹²



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