



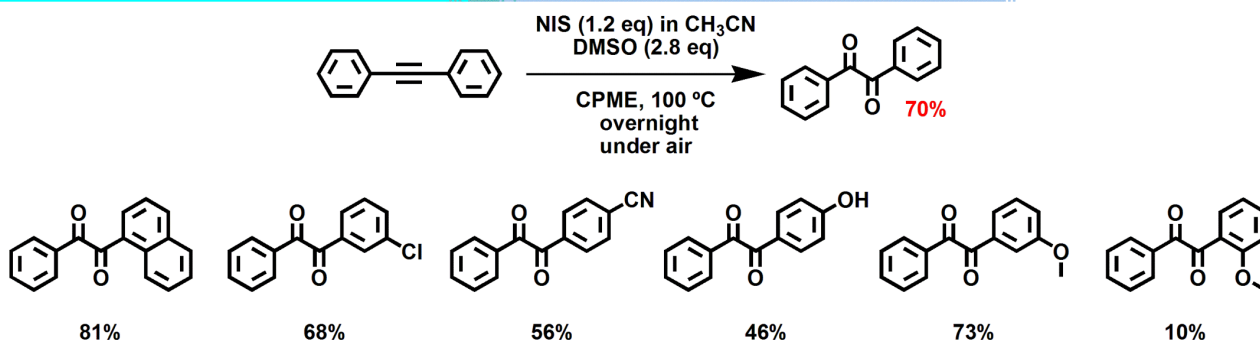
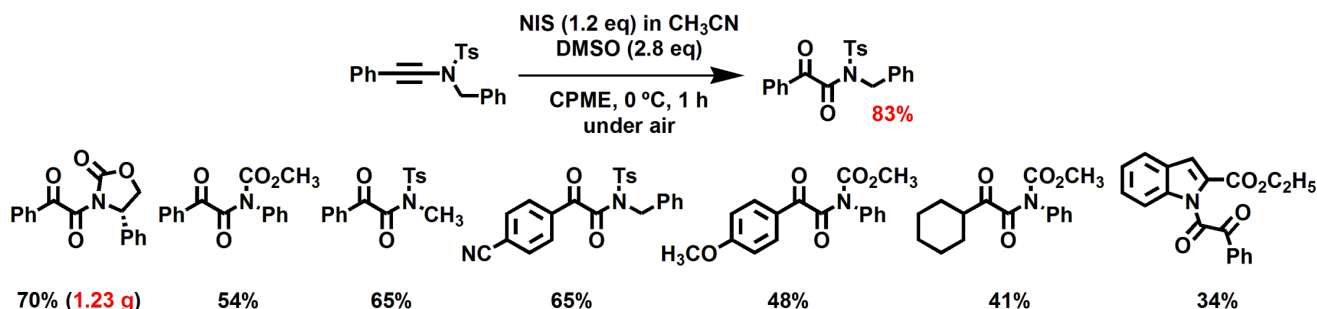
Transition Metal-free Oxidation of Ynamides for Synthesis of α -Ketoimides

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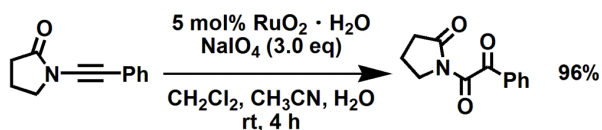


1. Summary a) Chikugo, T.; Yauchi, Y.; Ide, M.; Iwasawa, T. *Tetrahedron* 2014, 70, 3988-3993.

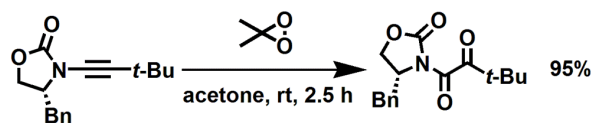


2. Background

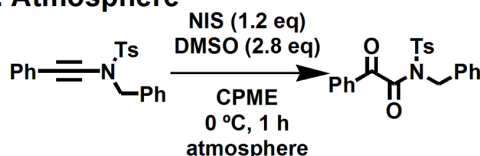
1) Hsung, 2008 (JOC, vol. 73, pp 8780)



2) Hsung, 2008 (OL, vol. 10, pp 661)

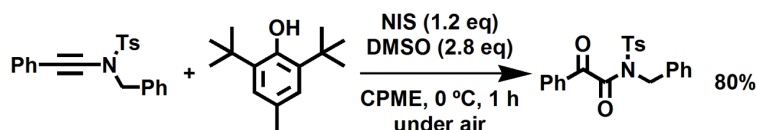
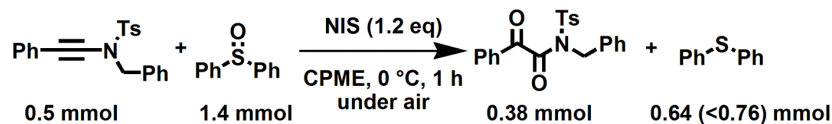


3. Atmosphere



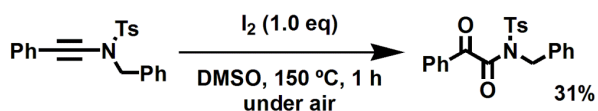
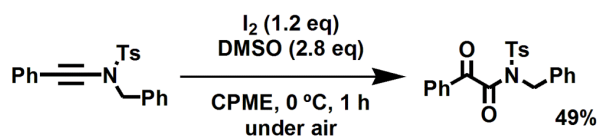
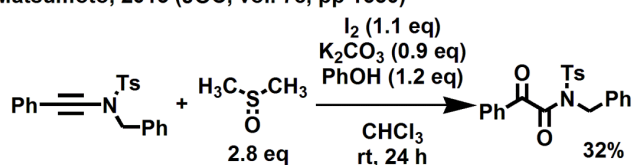
entry	atmosphere	Yield%
1	air	83
2	O ₂	85
3	Ar	0 (multi spot)

4. Oxygen source & antioxidant



5. Radical process is estimated.

Matsumoto, 2013 (JOC, vol. 78, pp 1650)



6. Plausible mechanism

