

Redio-, and stereoselective synthesis of *N*-alkenyl indoles through iodobromination and hydrohalogenation of *N*-alkynyl indoles

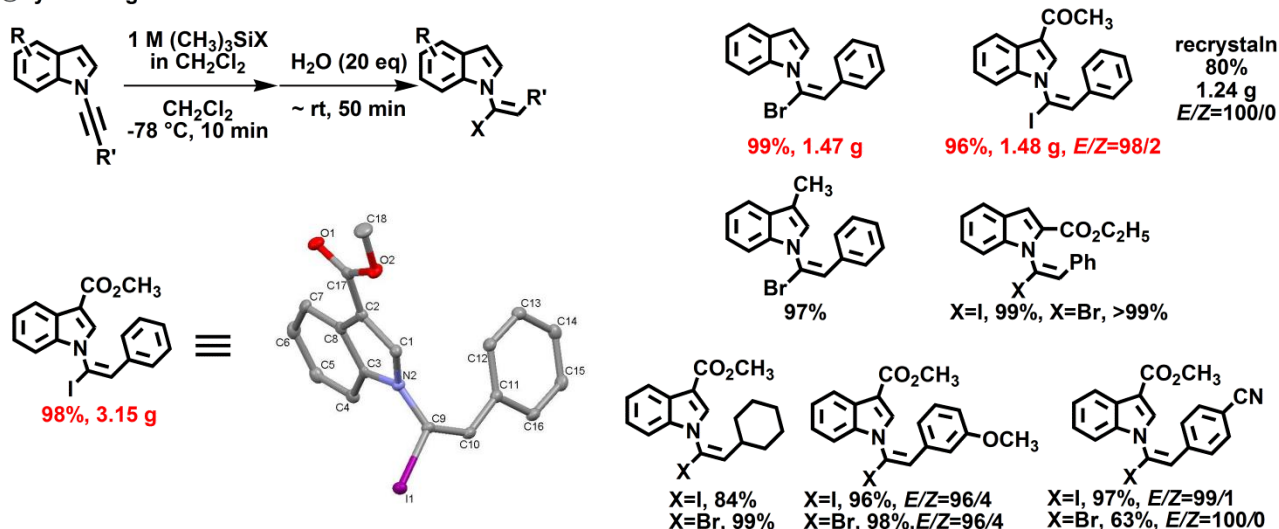
Masataka Ide, Akihiro H. Sato, Tetsuo Iwasawa*

Department of Materials Chemistry, Ryukoku University, Seta, Otsu, Shiga 520-2194, Japan
E-mail: iwasawa@rins.ryukoku.ac.jp, http://www.ryukoku.ac.jp/iwasawa/index.html

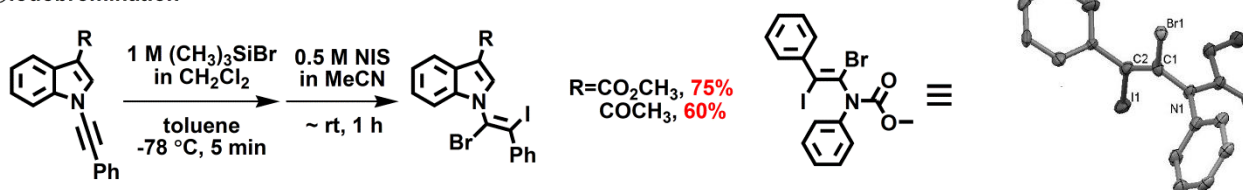


1. Summary a) Sato, A. H.; Ohashi, K.; Ito, K.; Iwasawa, T. *Tetrahedron Lett.* 2013, 54, 2878-2882.
b) Ide, M.; Yauchi, Y.; Iwasawa, T. *Eur. J. Org. Chem.* 2014, 3262-3267.
c) Japanese Patent No. 2014-014060.

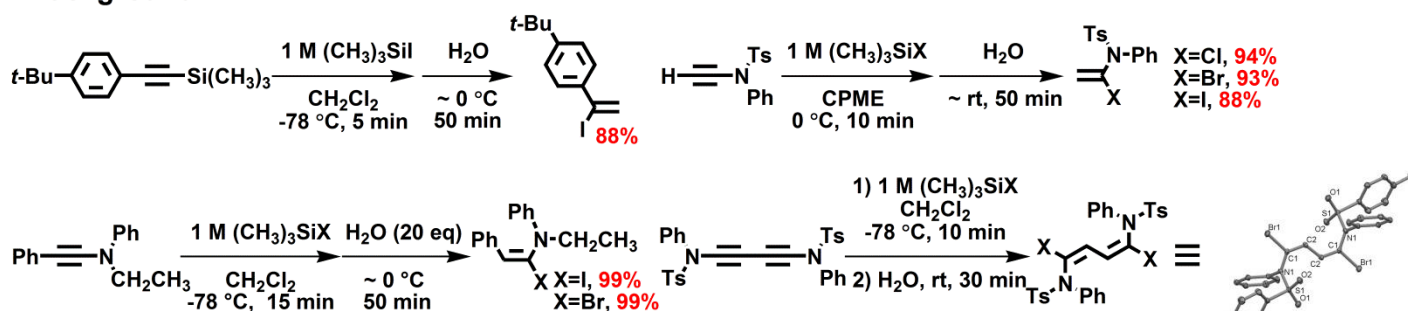
① hydrohalogenation



② iodobromination



2. Background



- Sato, A. H.; Mihara, S.; Iwasawa, T. *Tetrahedron Lett.* 2012, 53, 3585-3589.
- Sato, A. H.; Ohashi, K.; Iwasawa, T. *Tetrahedron Lett.* 2013, 54, 1309-1311.
- Ohashi, K.; Mihara, S.; Sato, A. H.; Ide, M.; Iwasawa, T. *Tetrahedron Lett.* 2014, 55, 632-635.
- Ide, M.; Ohashi, K.; Mihara, S.; Iwasawa, T. *Tetrahedron Lett.* 2014, 55, 2130-2133.

3. Plausible mechanism

