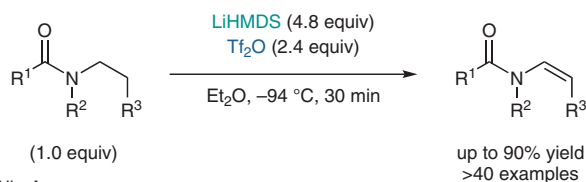
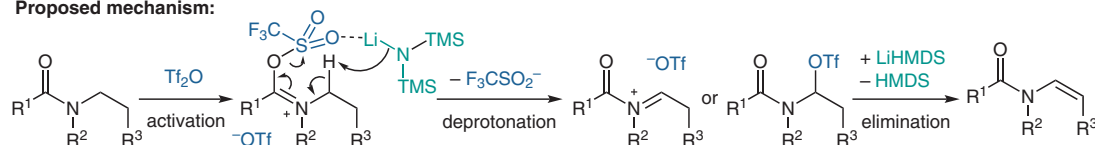


# Enamide Synthesis from Amides Using $\text{Tf}_2\text{O}$ for Electrophilic Activation

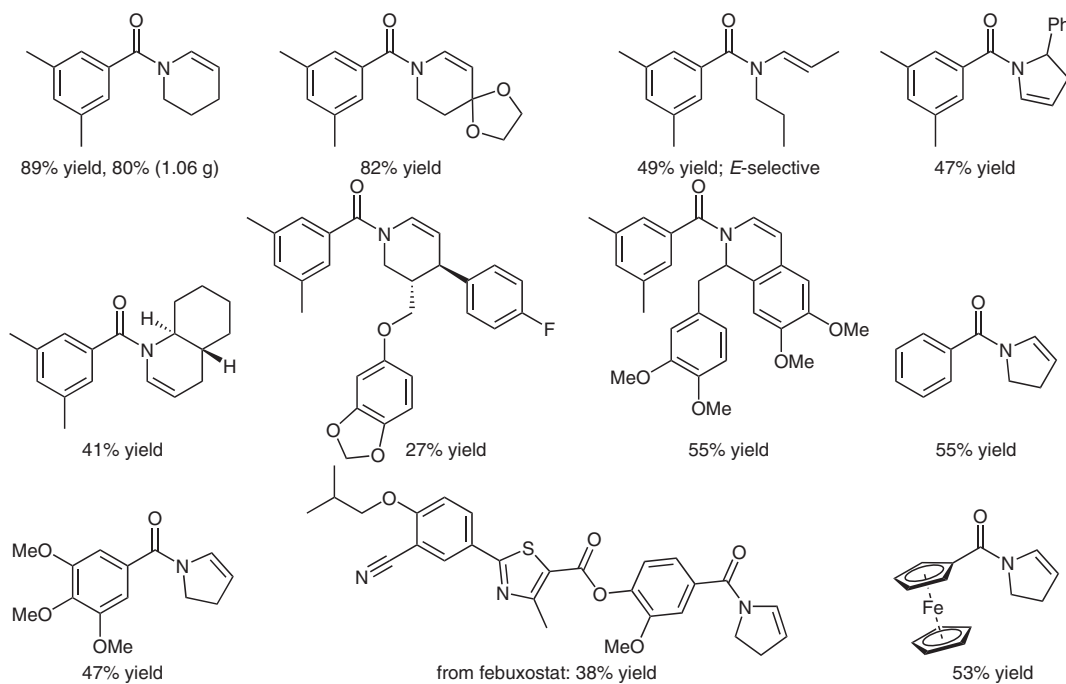


$\text{R}^1 = \text{Ar}$ ;  $\text{R}^2 = \text{Alk, Bn}$ ;  $\text{R}^3 = \text{H, Alk, Ar}$

Proposed mechanism:



Selected examples:



**Significance:** The authors report the direct synthesis of enamides from amides.  $\text{Tf}_2\text{O}$  is used for the electrophilic activation of amides as well as an oxidant in the reaction. The products are obtained in moderate to good yields and a range of functional groups are tolerated by the procedure. Gram-scale reactions also proved to be successful.

**Comment:** To show the utility of the procedure, several downstream reactions were conducted including cycloadditions, ring functionalizations and ring deconstructions. A mechanism based on experimental studies is proposed. The proton next to the nitrogen is thereby acidified by the cationic nature of the activated iminium triflate intermediate.