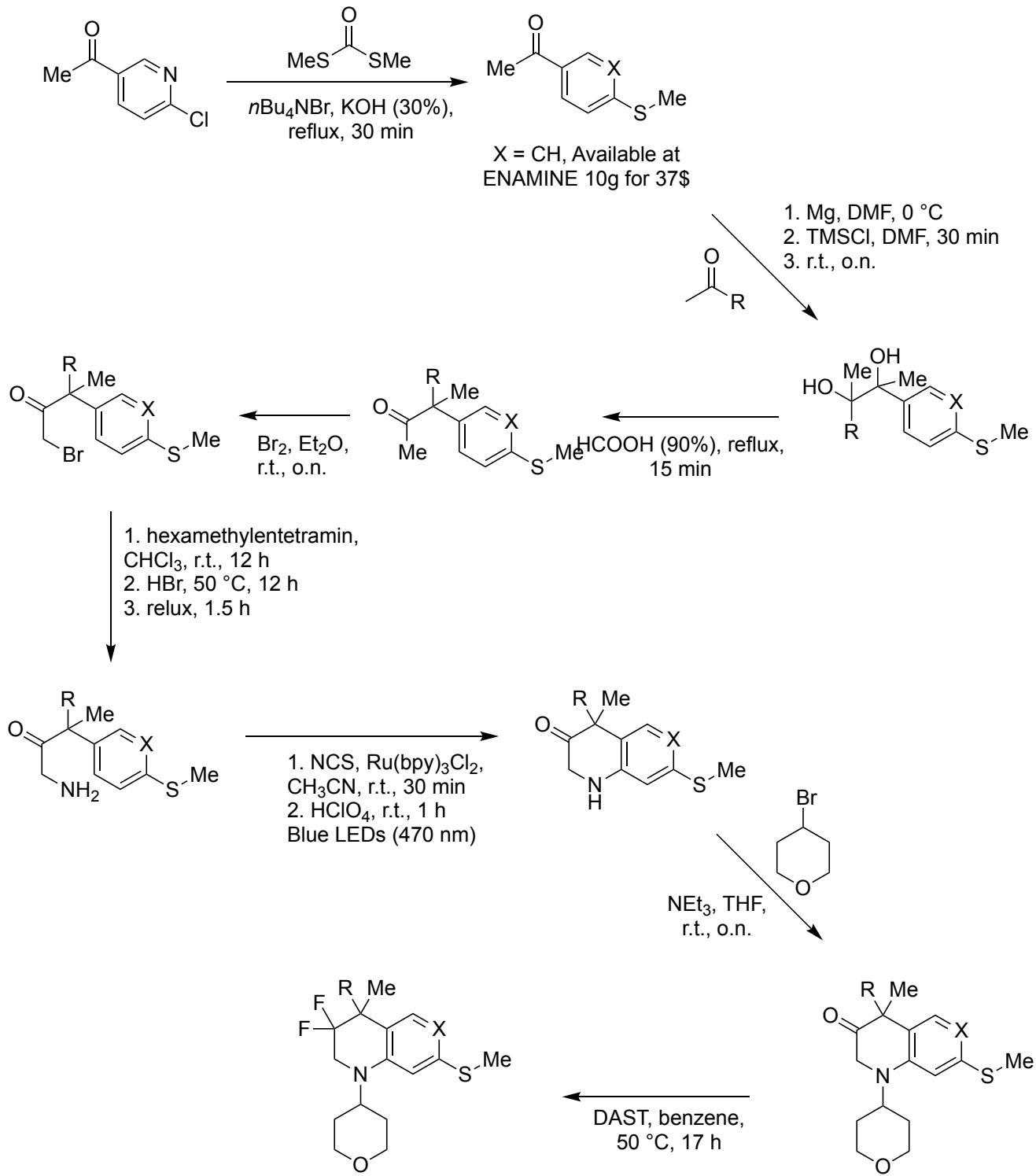
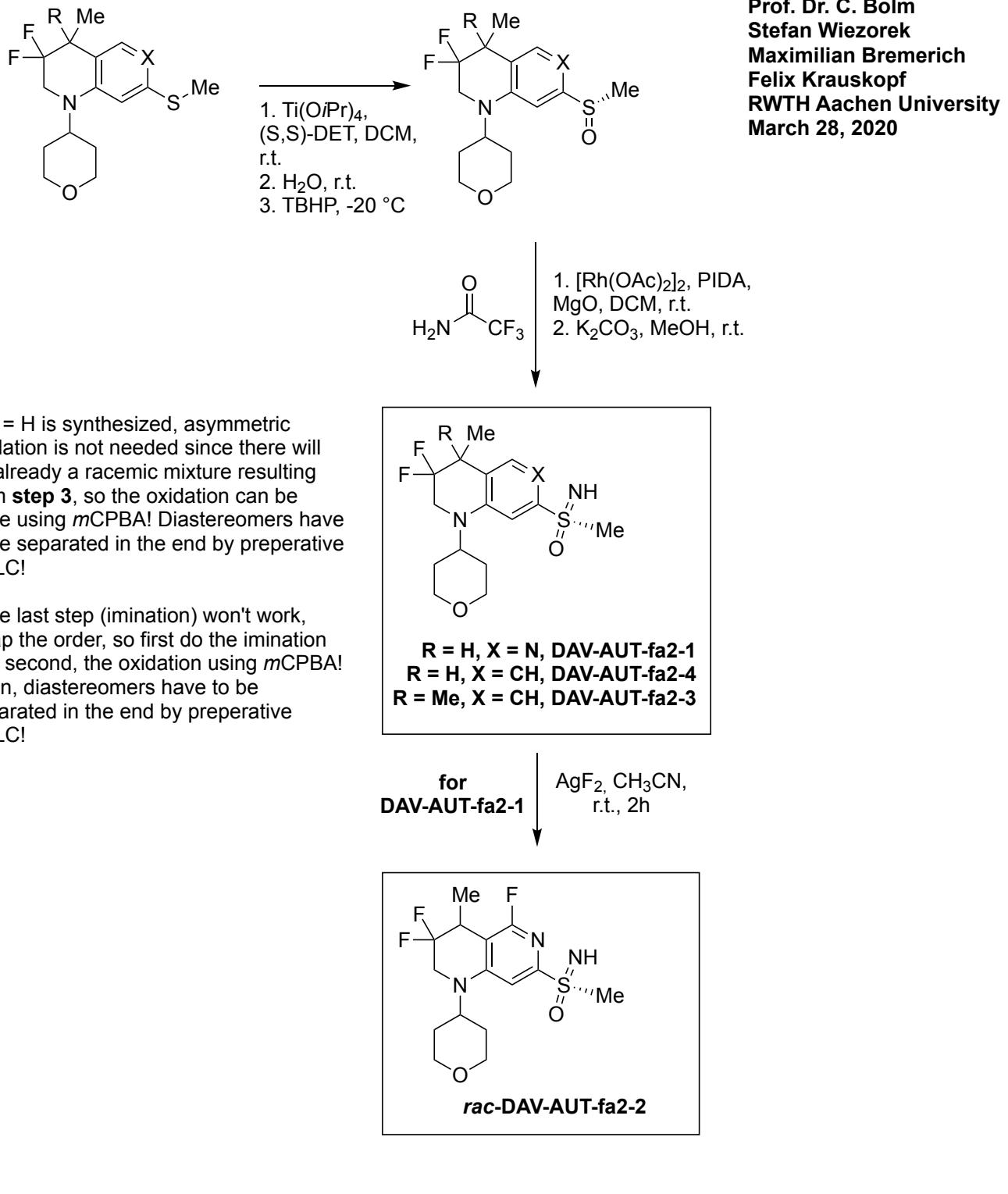


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March 28, 2020





step 1: *Synthesis* **1983**, *8*, 630-632; **step 2 + 3:** *Tetrahedron Lett.*, **2004**, *45*, 3869-3872; **step 4:** *Adv. Synth. Catal.* **2020**, *362*, 618-626; **step 5:** *Bioorg. Med. Chem. Lett.*, **2010**, *20*, 5883-5886, **step 6:** *Nature*, **2019**, *11*, 426-433; **step 7:** *Bioorg. Med. Chem. Lett.*, **2010**, *20*, 2916-2919; **step 8:** *J. Org. Chem.*, **1981**, *46*, 206-209; **step 9:** *Am. Chem. Soc.*, **1984**, *106*, 8188-8193; **step 10:** *Org. Lett.*, **2004**, *6*, 1305-1307; **step 11:** *J. Am. Chem. Soc.*, **2014**, *136*, 10139-10147; **alternative oxidation (mCPBA):** (a) *J. Chem. Soc., Perk. Trans. 1* **1994**, 3109-3114; (b) Patent US6215021 (B1), 2001.