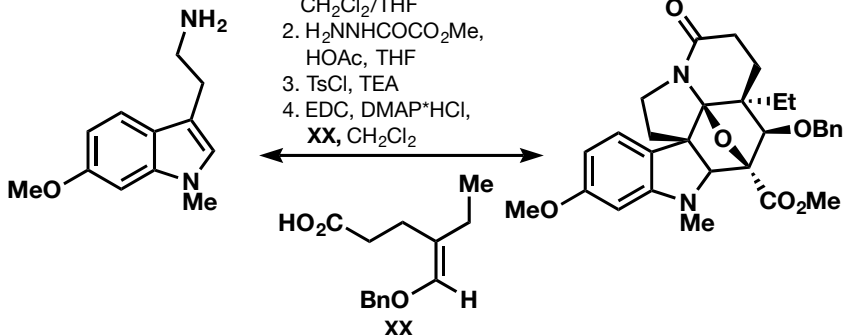


TEAM Bella
Spaß für Studenten

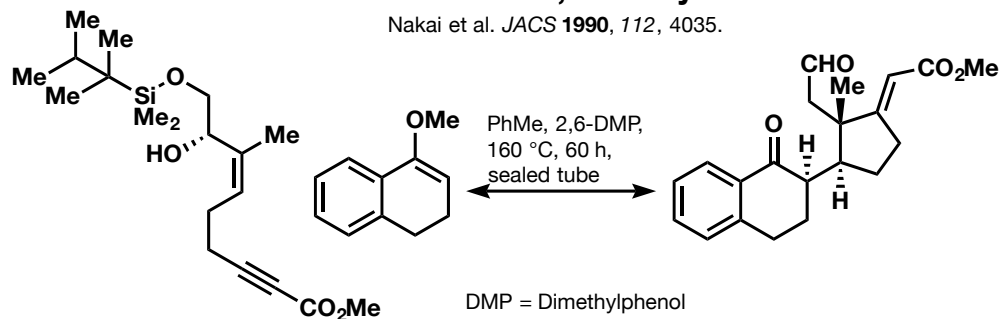
Boger, D.L. *JACS* **2006**, *128*, 10596

1. Carbonyldiimidazol
 $\text{CH}_2\text{Cl}_2/\text{THF}$
2. $\text{H}_2\text{NNHCOCOMe}$,
 HOAc , THF
3. TsCl , TEA
4. EDC , $\text{DMAP}\cdot\text{HCl}$,
XX, CH_2Cl_2

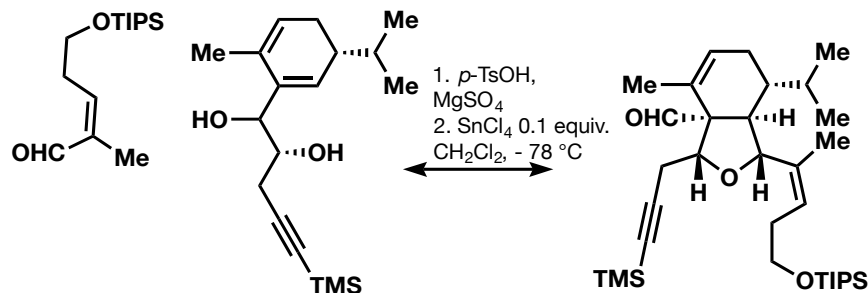


Gaich Group Seminar, Problem Set

Darius Schwarzer, 15.06.2016

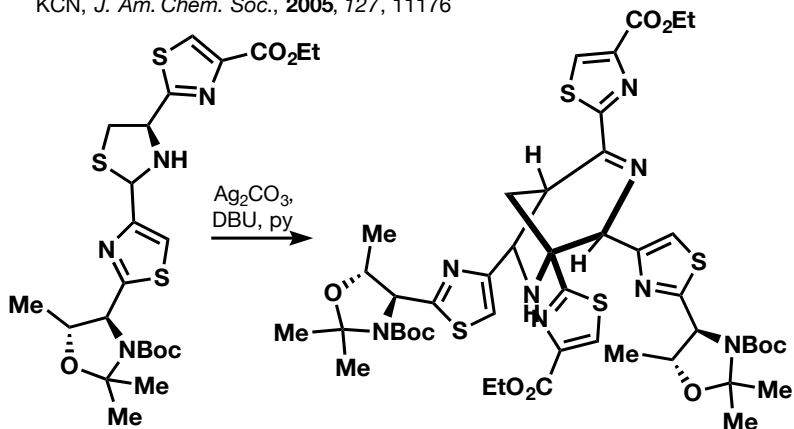


D.W.C. MacMillan, L.E. Overman *OL* **2000**, *2*, 223.

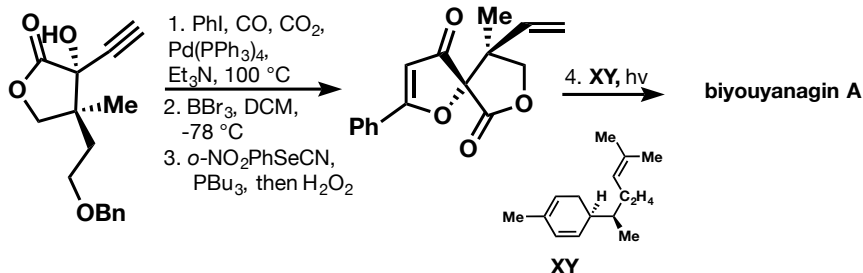


TEAM Inglourious Baserds
X-ta, Swag, Der schöne General

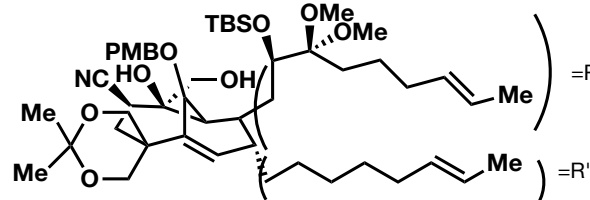
KCN, *J. Am. Chem. Soc.*, **2005**, *127*, 11176



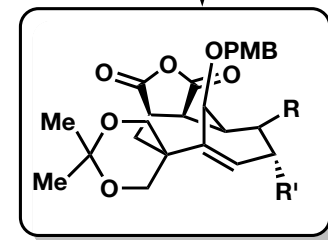
KCN, *J. Am. Chem. Soc.*, **2008**, *130*, 11114.



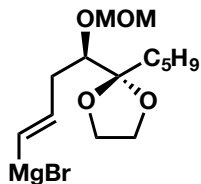
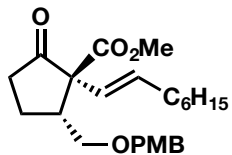
TEAM Dr. rer. nat.
Chicken, Essen oder?, Chocolate Man



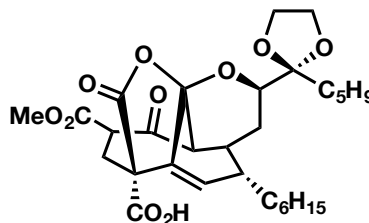
1. Et_3N , MsCl
2. K_2CO_3 , MeOH
3. Et_2O , air, $(\text{CO}_2\text{H})_2$



W3 only



1. Et₂O/THF/PhMe
-78 to rt.
2. KHMDS, THF, then NCCO₂Me,
-78 to rt, 58 %
3. BCl₃, -78 °C to 30 °C
4. DMP, Pyr, H₂O-CH₂Cl₂
5. NaClO₂, NaH₂PO₄,
2-methyl-2-butene,
MeOH/H₂O, rt
6. MOMCl, Et₃N, CH₂Cl₂, rt.
7. KHMDS, THF,
then NCCO₂Me,
-78 °C to 50 °C
8. excess TMSOTf,
CH(OMe)₃,
CH₂Cl₂, -78 °C
to rt



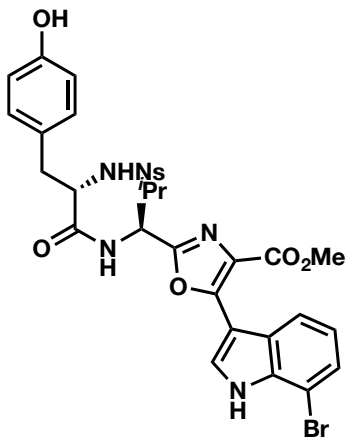
Just for cool down

9. MsCl, Et₃N, THF, 0 °C,
then CH₂N₂
10. hv, ^tBuOH/Et₂O, rt,
12% O₂S
11. KNⁱPr₂, Et₂O, then Tf₂O,
-78 °C to 0 °C, 55%
12. Pd(OAc)₂, P(OMe)₃, CO,
Et₃N, THF/MeCN, 70%
13. HCO₂H, rt, 79%

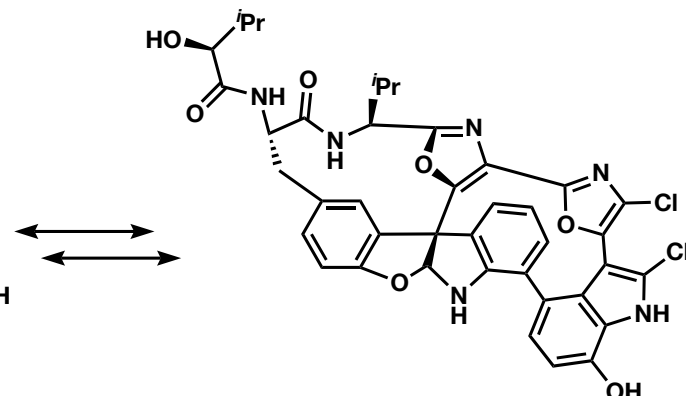
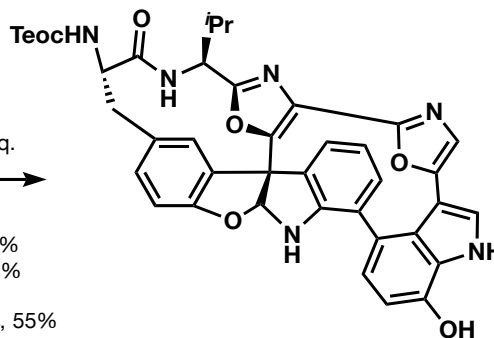
TEAM Edward

Arbeitstier, Steve, Mrs. MacMini

Haran et al *Angew. Chem. Int. Ed.* **2003**, *42*, 4961-4966



1. PhI(OAc)₂, 1.1 eq.,
LiOAc, 2 eq.,
CF₃CH₂OH,
-20 °C 20-25 %
2. PhSH, Na₂CO₃, DMF
3. Teoc-Cl, CH₂Cl₂, K₂CO₃ aq.
(80 % O₂S)
4. LiOH, H₂O, MeOH, 99%
5. TBTU, DIPEA, DMF,
7-Hydroxytryptamine, 91%
6. Ac₂O, pyr, CH₂Cl₂/THF, 95%
7. DQ, THF/H₂O
8. PPh₃, C₂Cl₆, Et₃N, CH₂Cl₂, 55%
9. hv, MeCN/H₂O,
LiOH, 3h, rt, 72 %



(-) diazonamide A