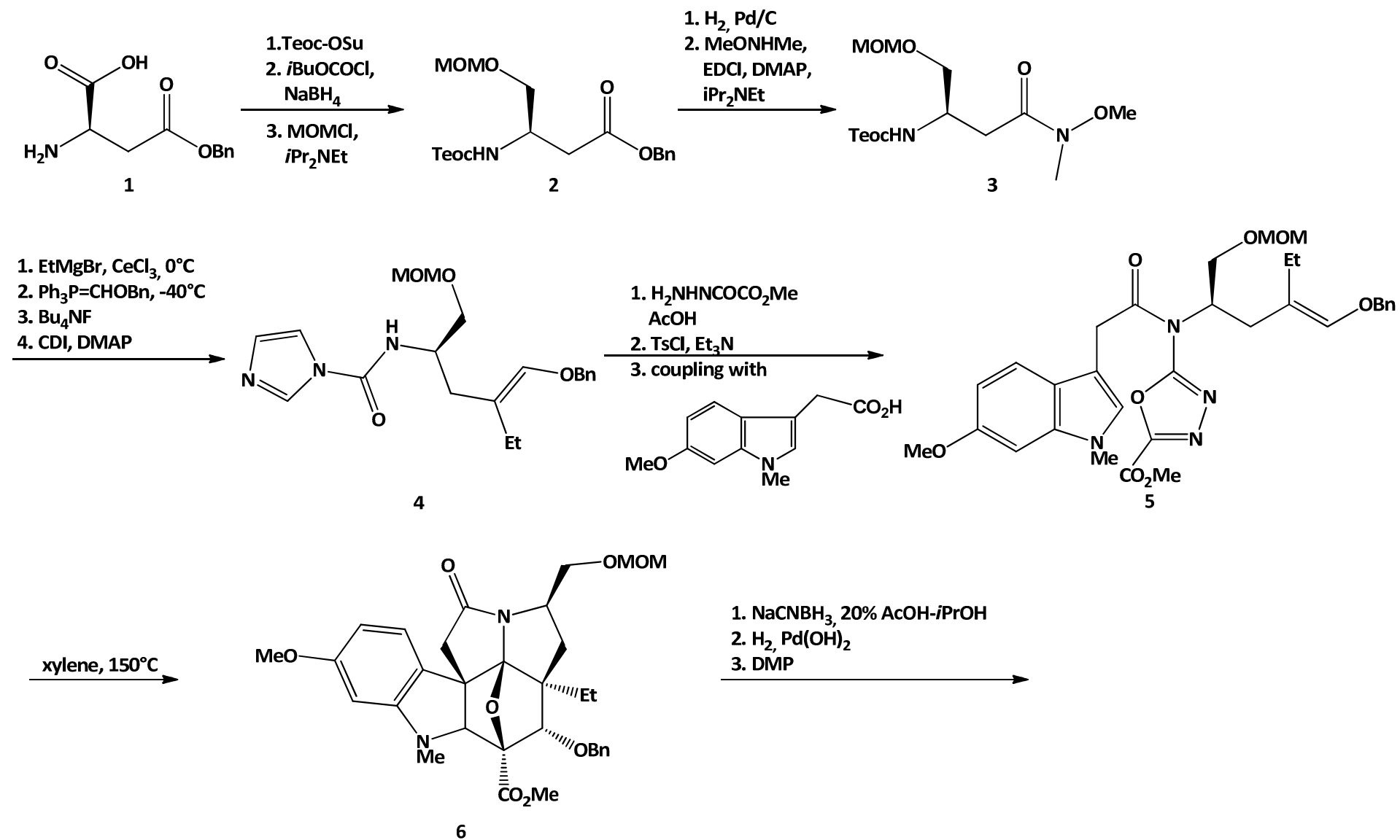
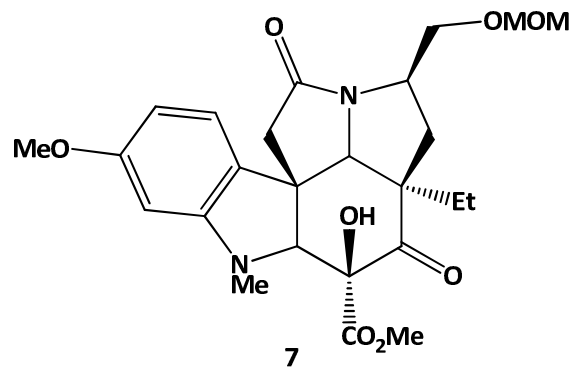
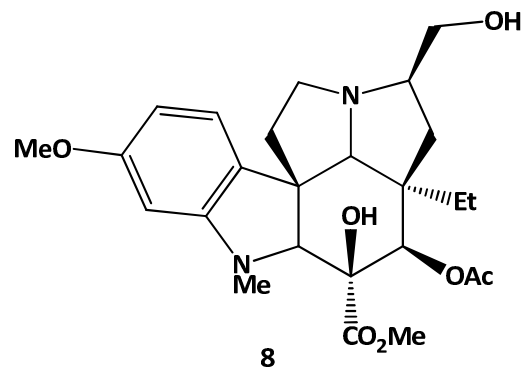


Denksport, Petra Malova, 22.3.2012 Kato, D.; Sasaki, Y.; Boger, D. L. *J. Am. Chem. Soc.* **2010**, *132*, 3685-3687.

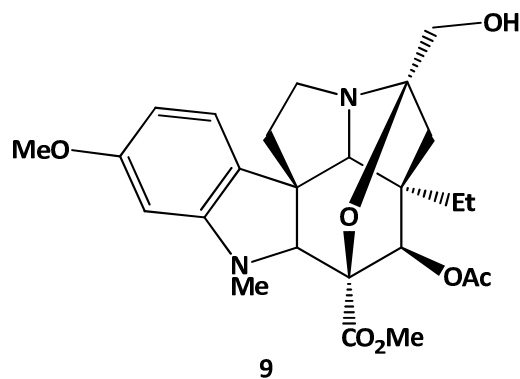




1.  $\text{LiAlH}(\text{OtBu})_3$
2.  $\text{Ac}_2\text{O}$ , DMAP, pyridine
3.  $\text{MeOTf}$ , 2,6-ditertbutylpyridine
4.  $\text{NaBH}_4$ , MeOH
5.  $\text{HCl}$ , MeOH



1.  $\text{SO}_3\text{-py}$ , DMSO,  $\text{Et}_3\text{N}$ ,  $\text{CH}_2\text{Cl}_2$
2.  $\text{SiO}_2$ ,  $\text{Et}_3\text{N}$



1.  $\text{TsCl}$ , DMAP,  $\text{Et}_3\text{N}$
2.  $\text{NaOAc}$ , dioxane- $\text{H}_2\text{O}$ ,  $70^\circ\text{C}$
3. L-selectride

