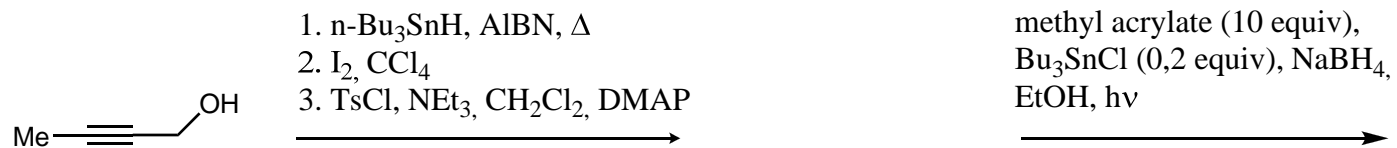
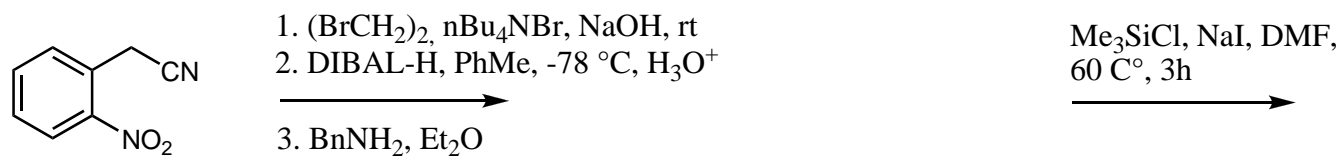


# Total Synthesis of Strychnine



$\xrightarrow{\text{PDC, CH}_2\text{Cl}_2, \text{Celite, rt}}$

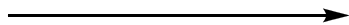
**XX**



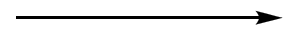
$\xrightarrow{\begin{array}{l} 1. \text{ClCO}_2\text{Me, acetone, rt, 8h} \\ 2. \text{HCO}_2\text{NH}_4, \text{Pd(C), MeOH} \end{array}}$

$\xrightarrow{\begin{array}{l} 1. \text{XX, toluene, } \Delta \\ 2. \text{ClCO}_2\text{Me, PhNEt}_2, \\ \text{proton sponge} \end{array}}$

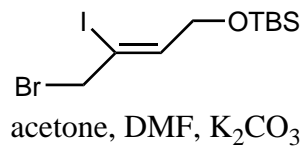
PhH, 185 °C, 4h



1. TMSI (10 equiv),  
CHCl<sub>3</sub>, reflux, 5h



2. MeOH, reflux, 6h



1. Pd(OAc)<sub>2</sub> (0,3 equiv),  
Bu<sub>4</sub>NCl, K<sub>2</sub>CO<sub>3</sub>, DMF,  
70 °C, 3h



2. HCl (2N), THF

KOH, EtOH

