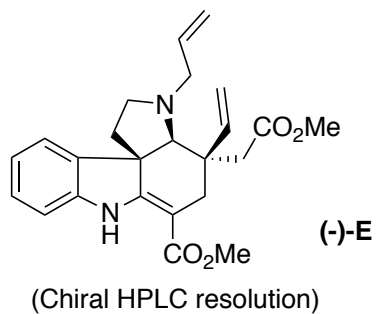




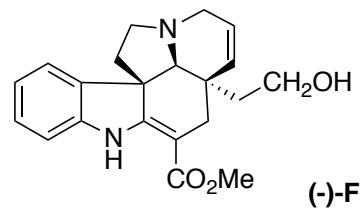
# Total Synthesis of Deoxoapodine and Kopsifoline D



j) H-G II cat., DCM, 50°C  
81%

k) DIBAL-H (3.0 equiv)  
DCM, 0°C  
66 - 71%

Structure of H-G II ?



m)  $(p\text{-CF}_3\text{C}_6\text{H}_4)_3\text{PAuCl}$   
 $\text{AgNTf}_2$ , DCE, 80°C, 24h  
72 - 80%

m) TsCl, tBuOK, THF  
46 - 43%

