

hasubanan alkaloid

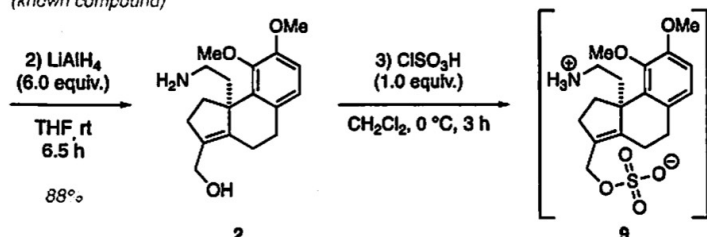
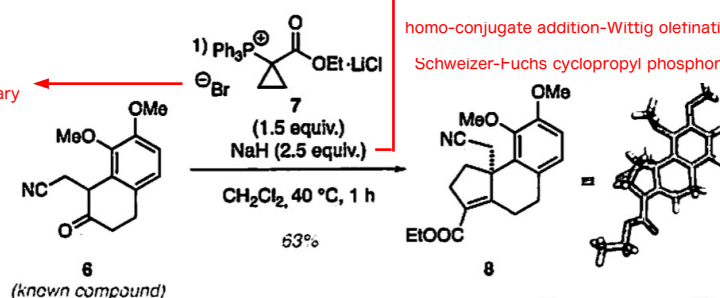
aza [4.3.3]-propellane

counterion exchange to the tetrafluoroborate salt unnecessary

suspended in CH_2Cl_2

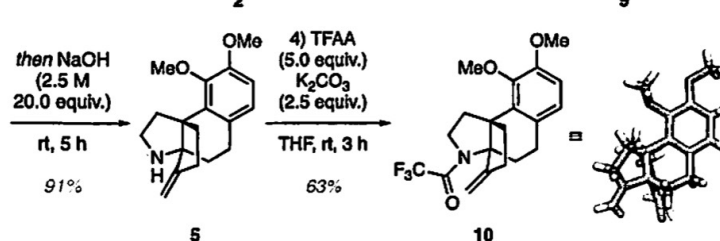
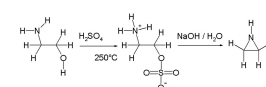
homo-conjugate addition-Wittig olefination cascade

Schweizer-Fuchs cyclopropyl phosphonium salt



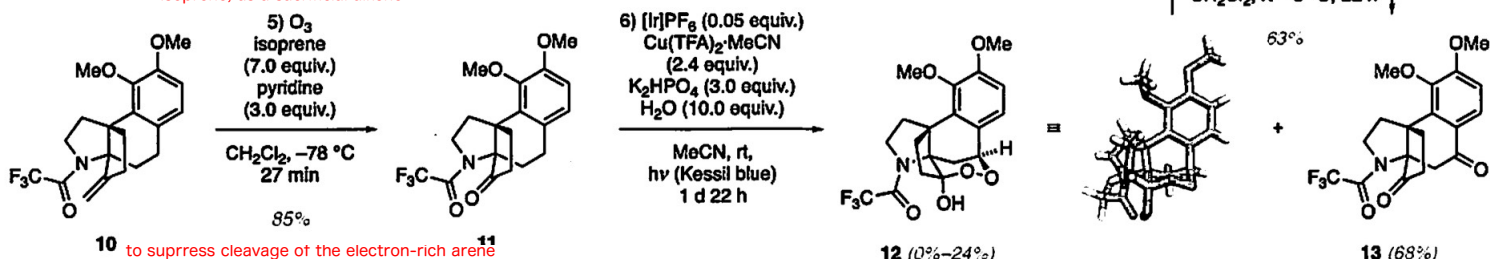
Sy2' substitution of the hydroxy-group by its primary amine → established method unsuccessful

Wenker synthesis



pyridine to reduce the intermediary carbonyl oxide isoprene, as a sacrificial alkene

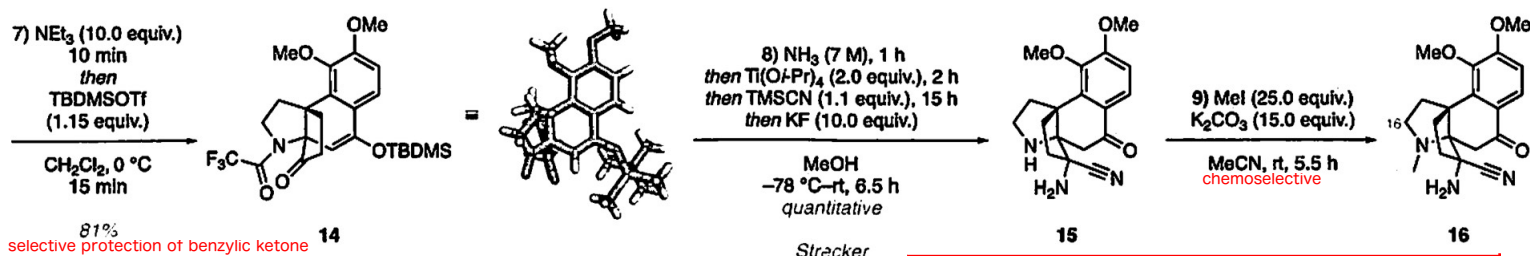
Zhu method



10 to suppress cleavage of the electron-rich arene

12 (0%–24%)

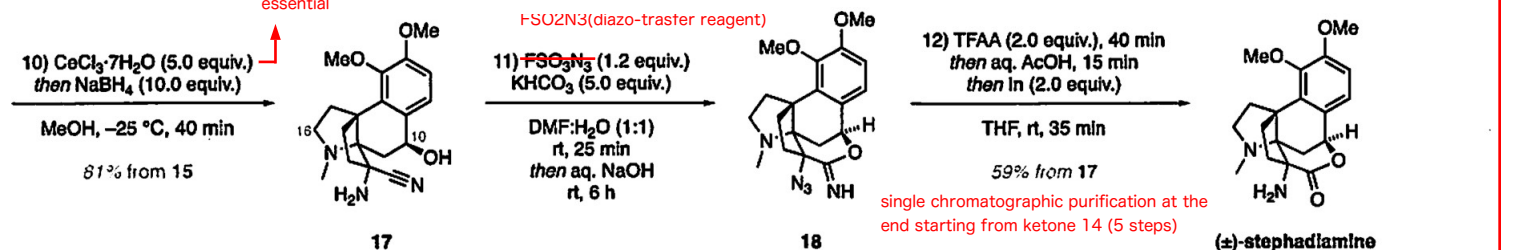
13 (68%)



selective protection of benzylic ketone

Strecker

essential

FSO₂N₃(diazo-traster reagent)

single chromatographic purification at the end starting from ketone 14 (5 steps)

(±)-stephadiamine

