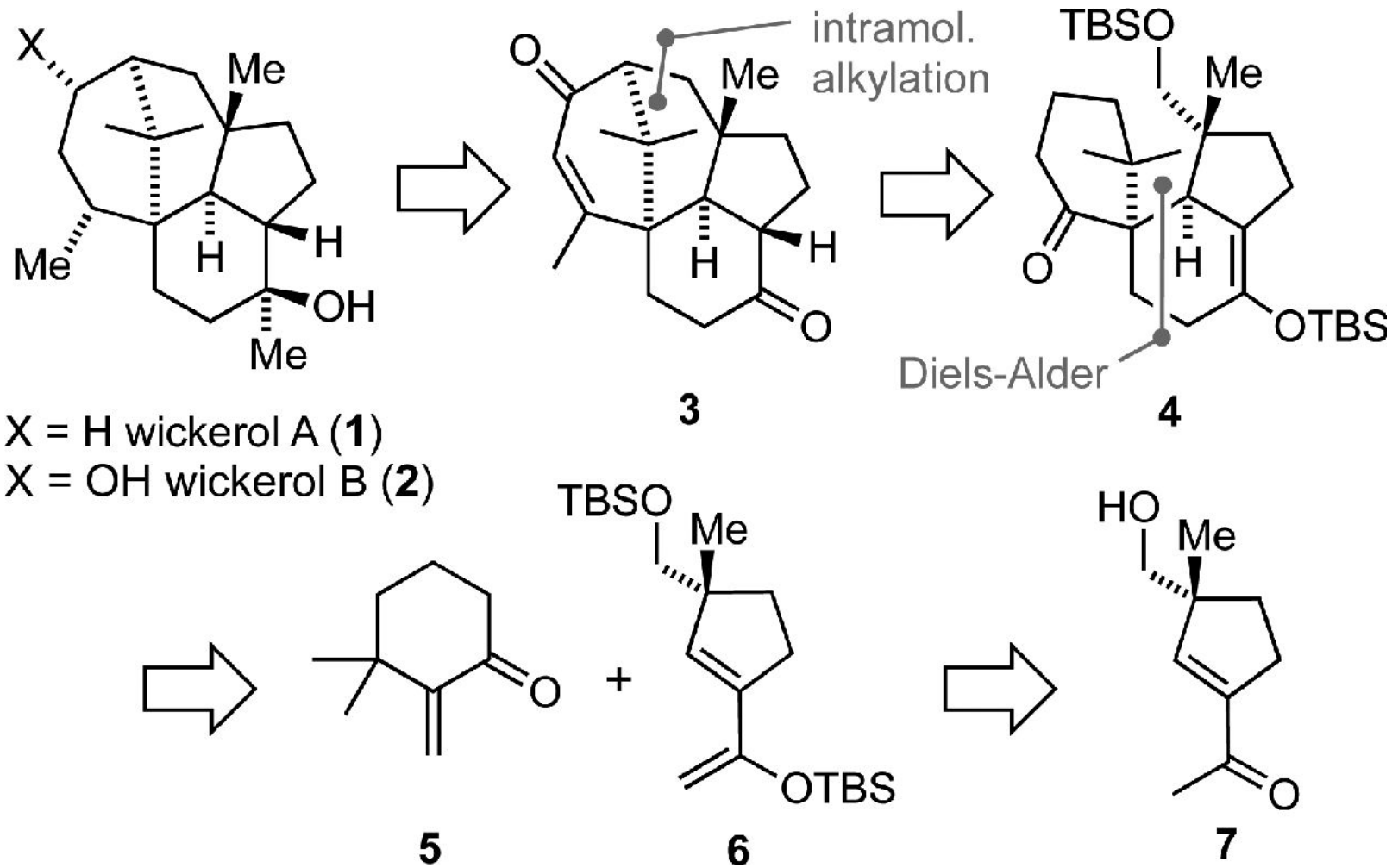
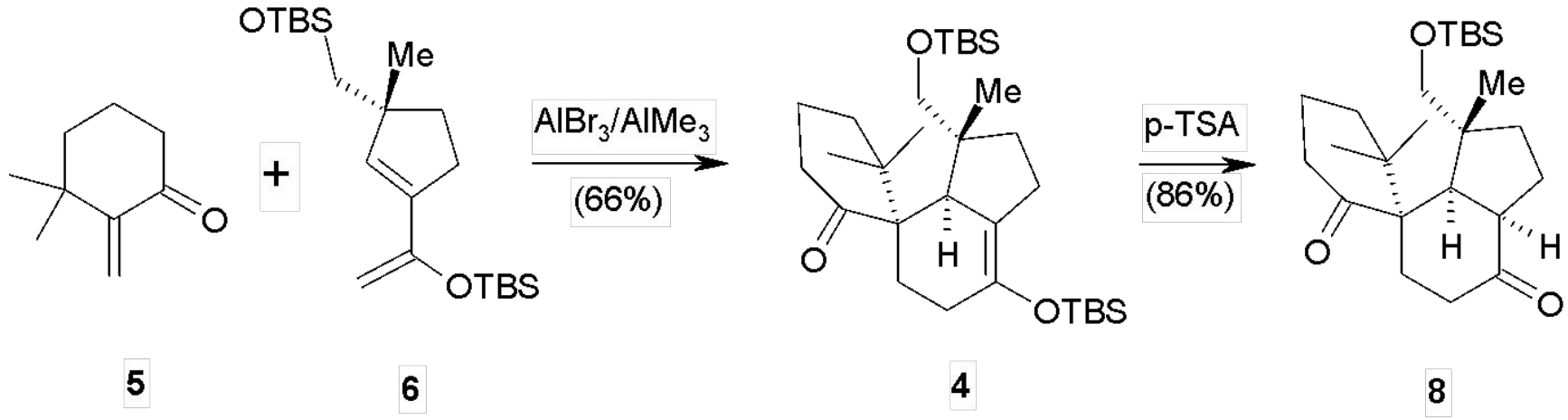
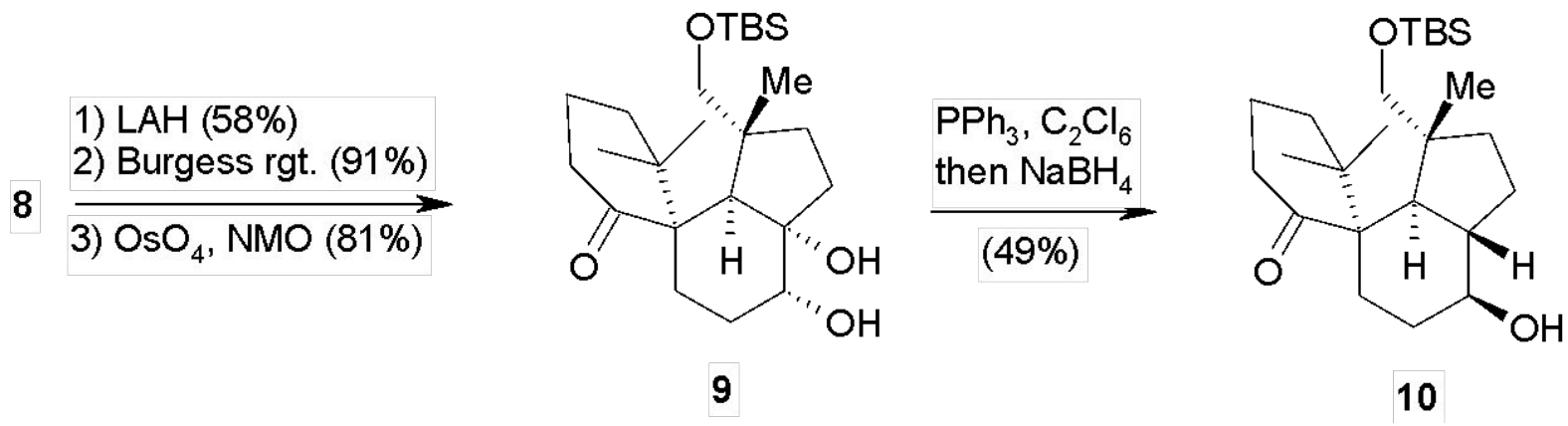
Ретросинтез Wickerol A

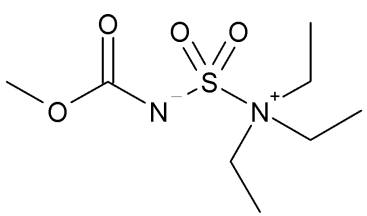




5 **6** **4** **8**



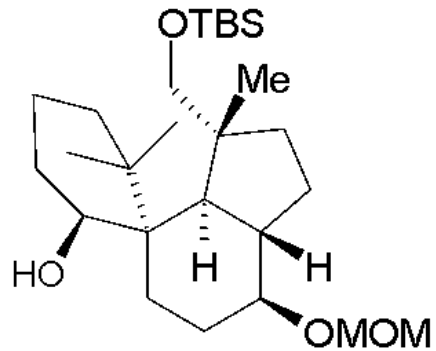
9 **10**



Burgess rgt.
sin - elimination

10

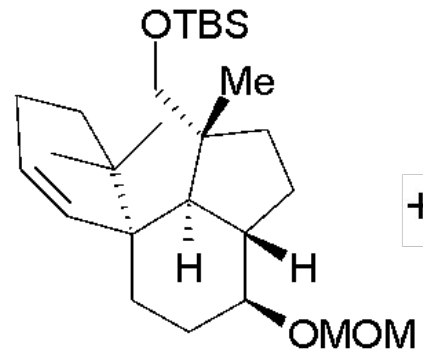
1) MOMCl (81%)
2) DIBAL-H (97%)



11

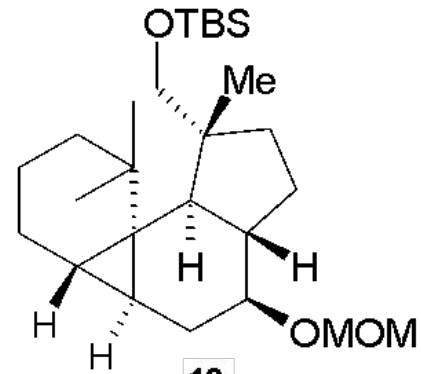
Martin's sulfurane

(99%, **12:13**=2:1)



12

+

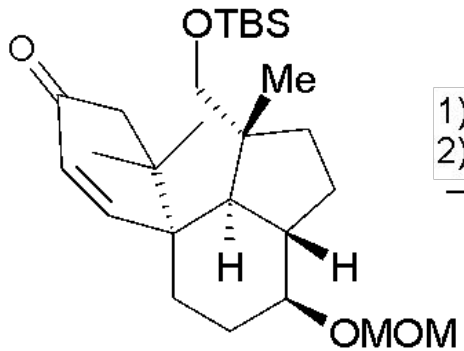


13

12

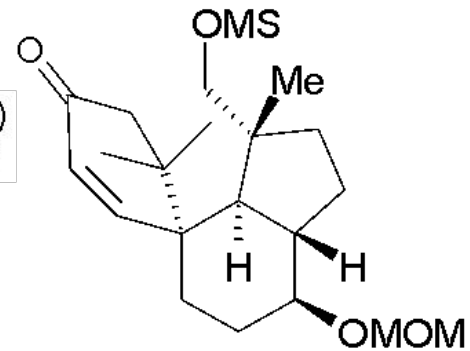
$Mn(OAc)_3$, t-BuOOH

(62%)



14

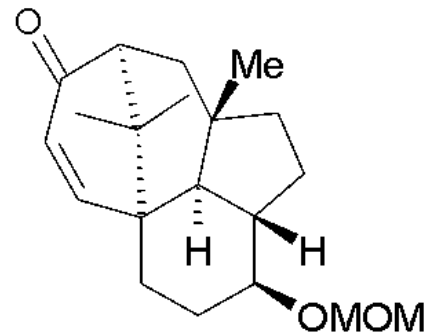
1) TBAF (76%)
2) MsCl (89%)



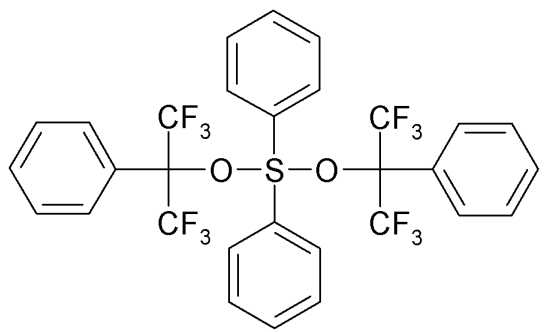
15

KHMDS

(71%)



16



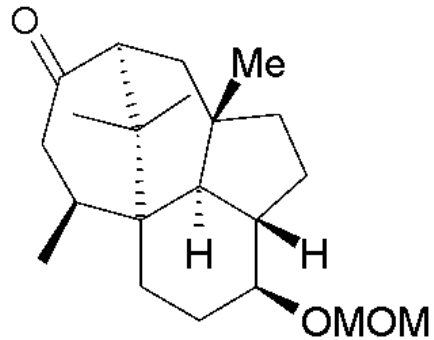
Martin's sulfurane

elimination of hydroxy group

16

$CuCN, MeLi, BF_3*Et_2O$

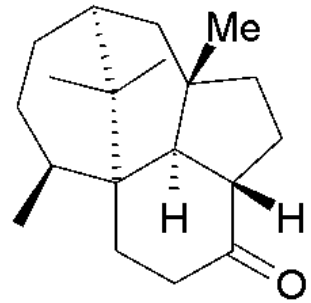
(65%)



17

1) LAH (95%)
2) KHMDS, CS_2, MeI (95%)
3) AIBN, Bu_3SnH (79%)

4) HCl (94%)
5) DMP (95%)

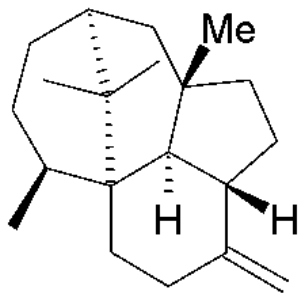


18

18

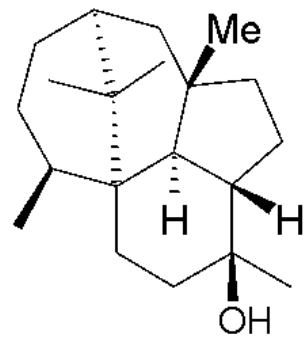
$Ph_3P=CH_2$

(65%)



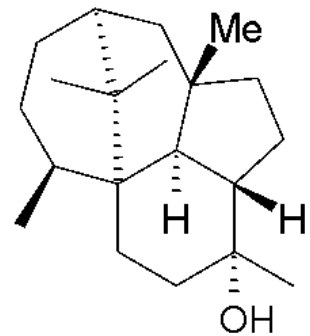
19

$Co(acac)_2$, $PhSiH_3$, O_2



wickerol A **(1)**
(31%)

+



3-epi-wickerol A **(20)**
(28%)