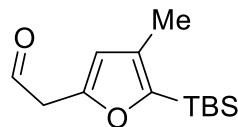
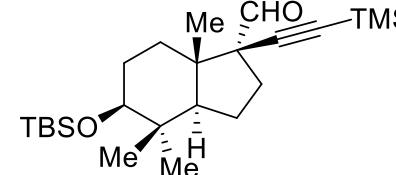


Spirochensilide A

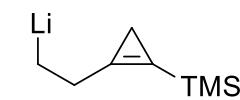
J.A.C.S., 2020, 142, 8116-8121



Fragment A



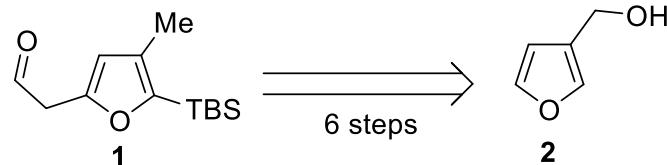
Fragment B



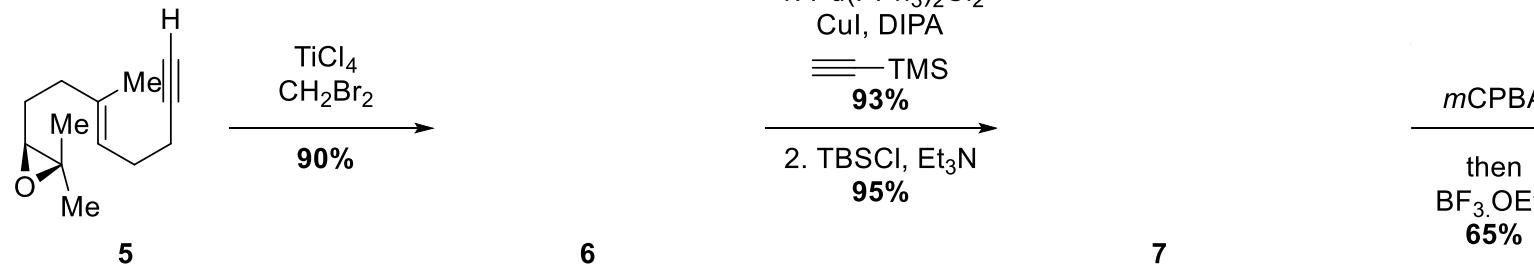
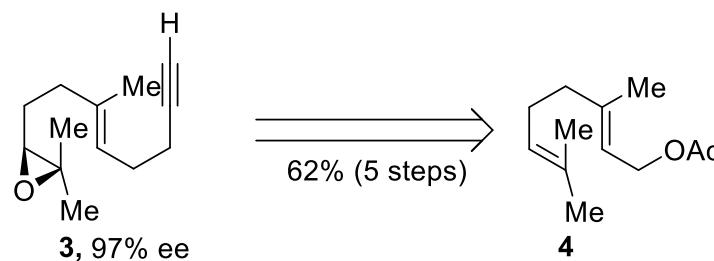
Fragment C

- Isolated by Gao from *Abies chensiensis*, endemic Chinese plant
- Antitumor, antimicrobial, antiulcerogenic, anti-inflammatory, antihypertensive, antitussive, and central nervous system activities
- Unique spirocyclic core

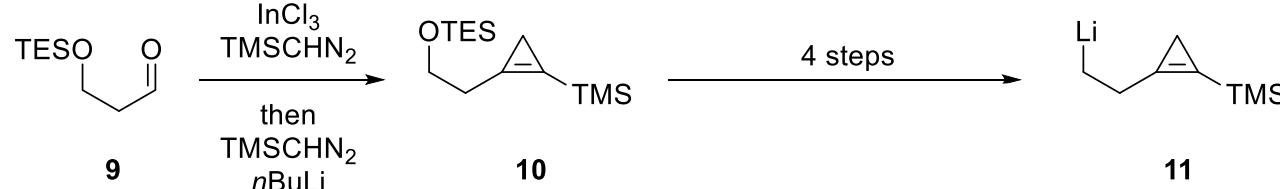
Fragment A



Fragment B

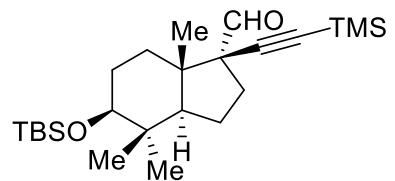


Fragment C



TES: Triethylsilyl

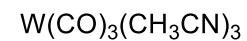
TMSN₂ and nBuLi then **9** added.



12

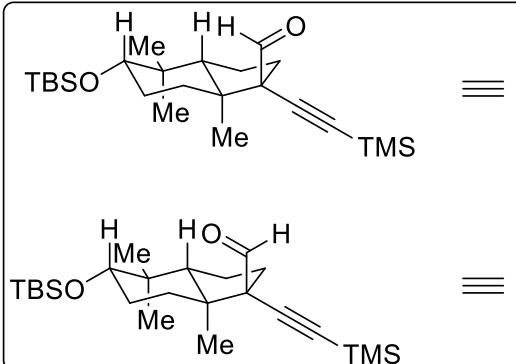
1. CeCl_3 , Fragment B (**75%**)
2. TESOTf, Et_3N
3. K_2CO_3 , MeOH
98% over 2 steps

13



$\text{W}(\text{CO})_3(\text{CH}_3\text{CN})_3$
EtOH, HMPA, CO
61% yield

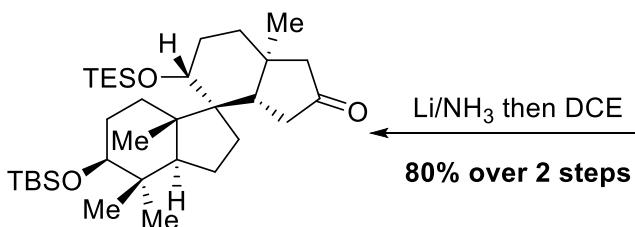
Name



14a

14b

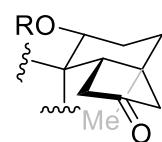
1. $t\text{BuOK}$, $t\text{BuOH}$ (**95%**)
2. Pd/C, H_2 , EtOH, EtOAc

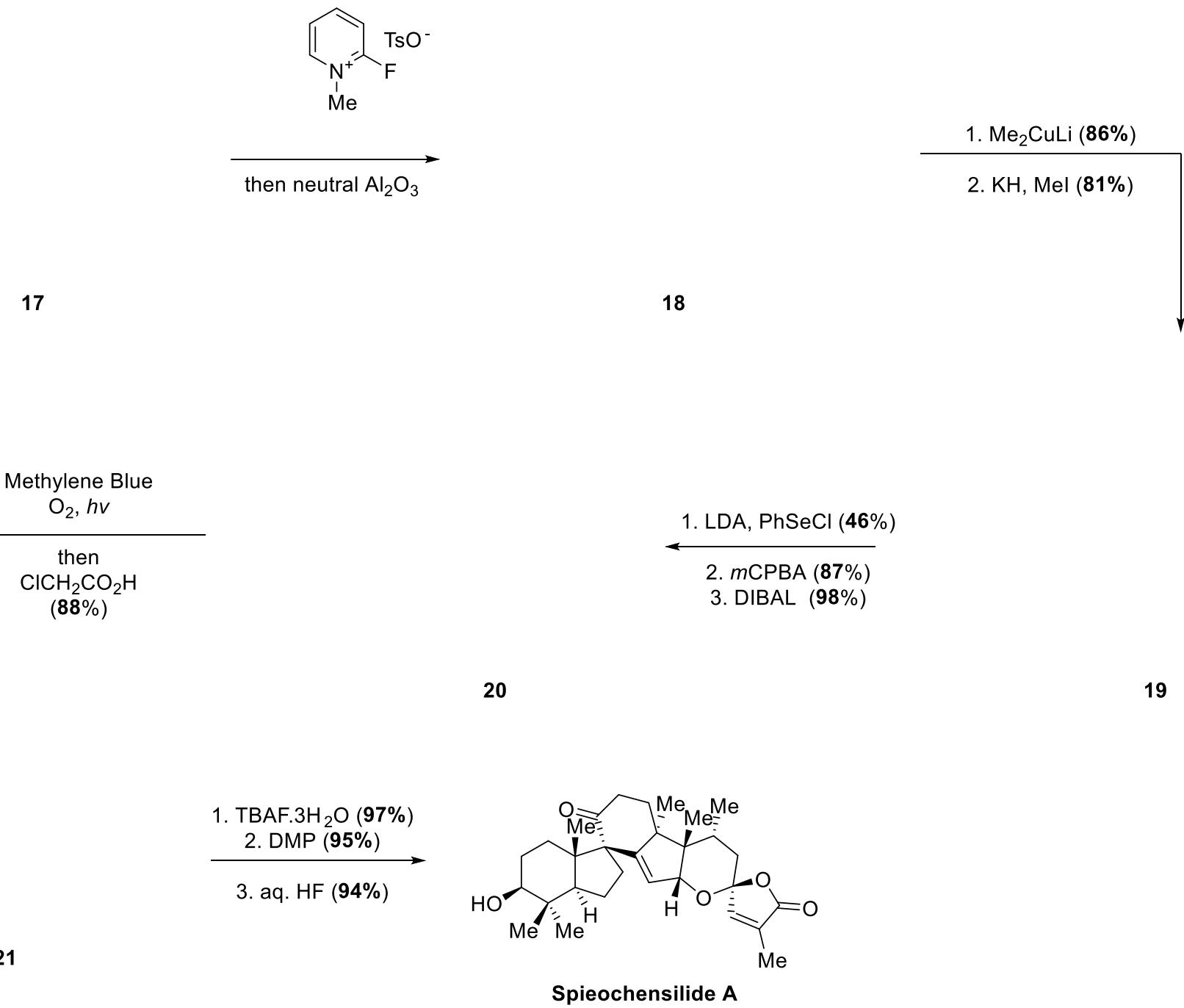


15

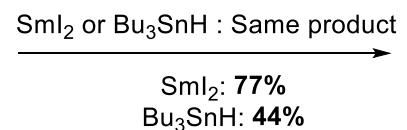
$n\text{Bu}_2\text{BOTf}$
DIPEA
97%

17



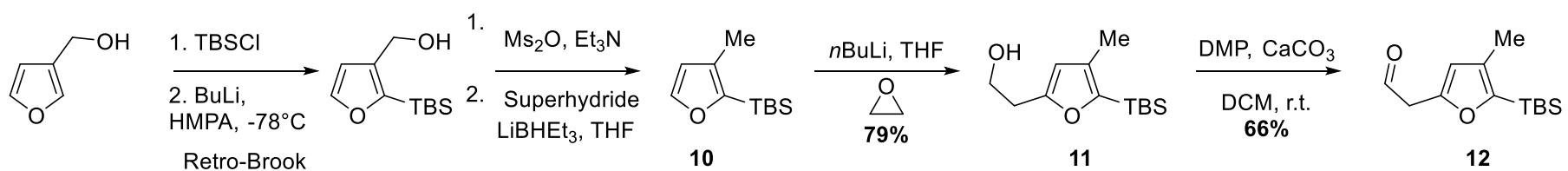


If time:

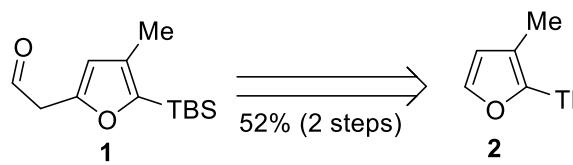


14b

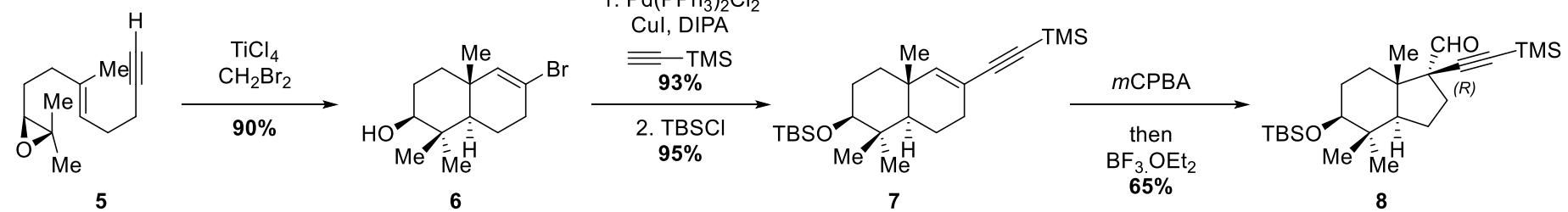
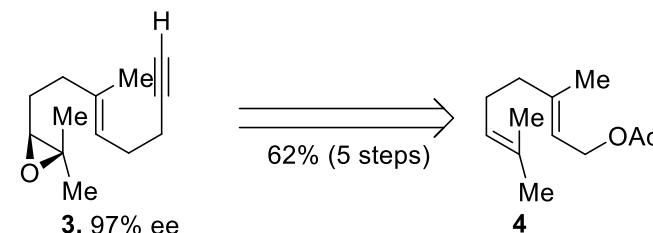
solutions



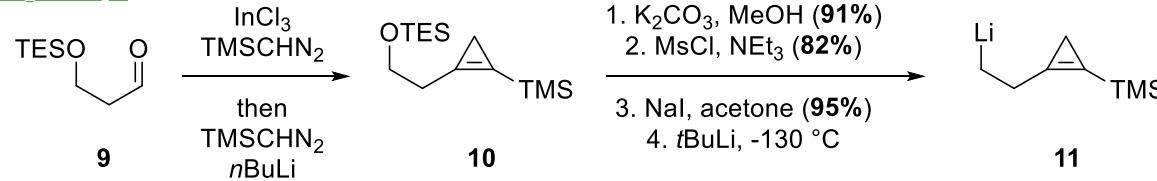
Fragment A

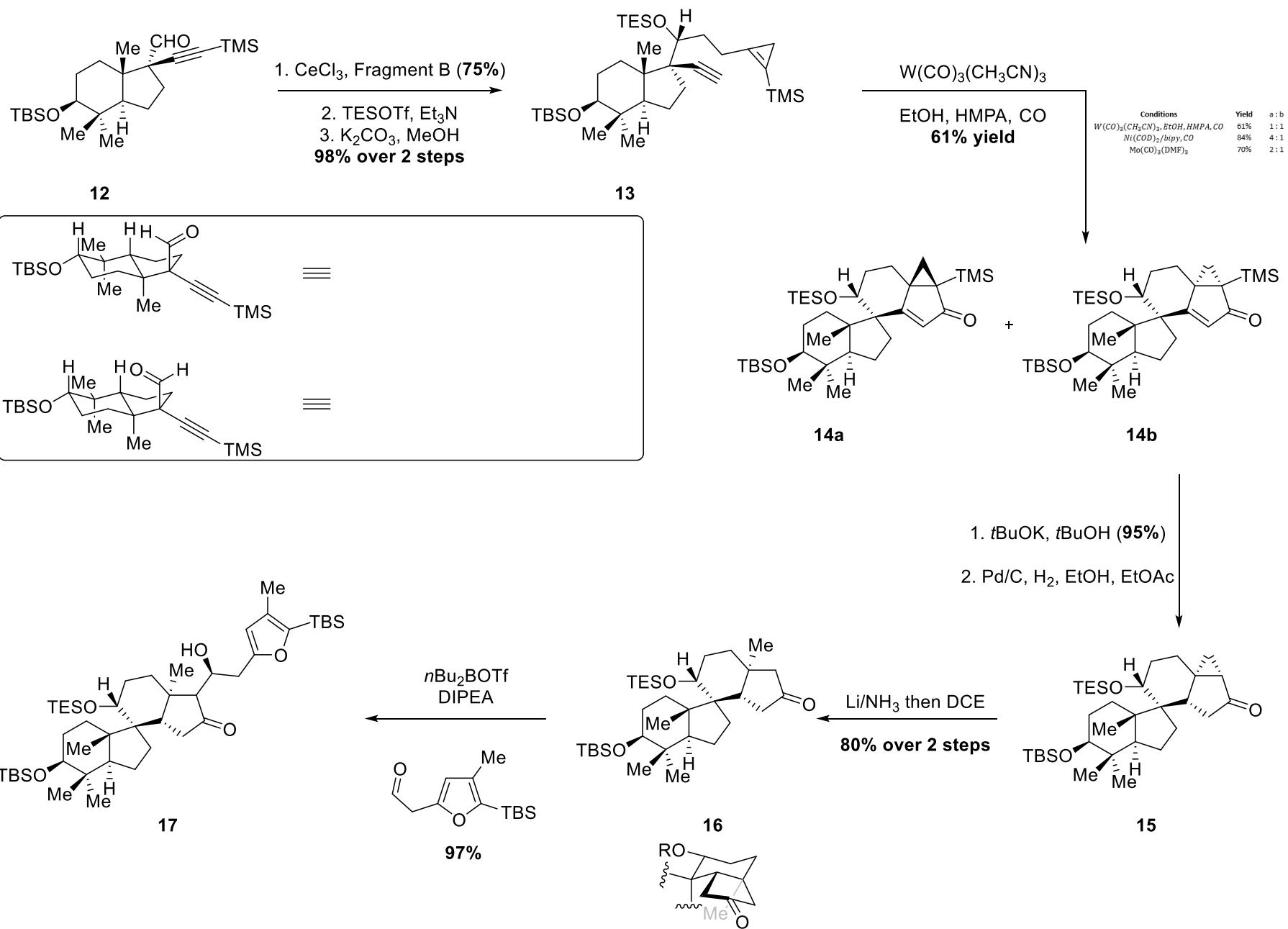


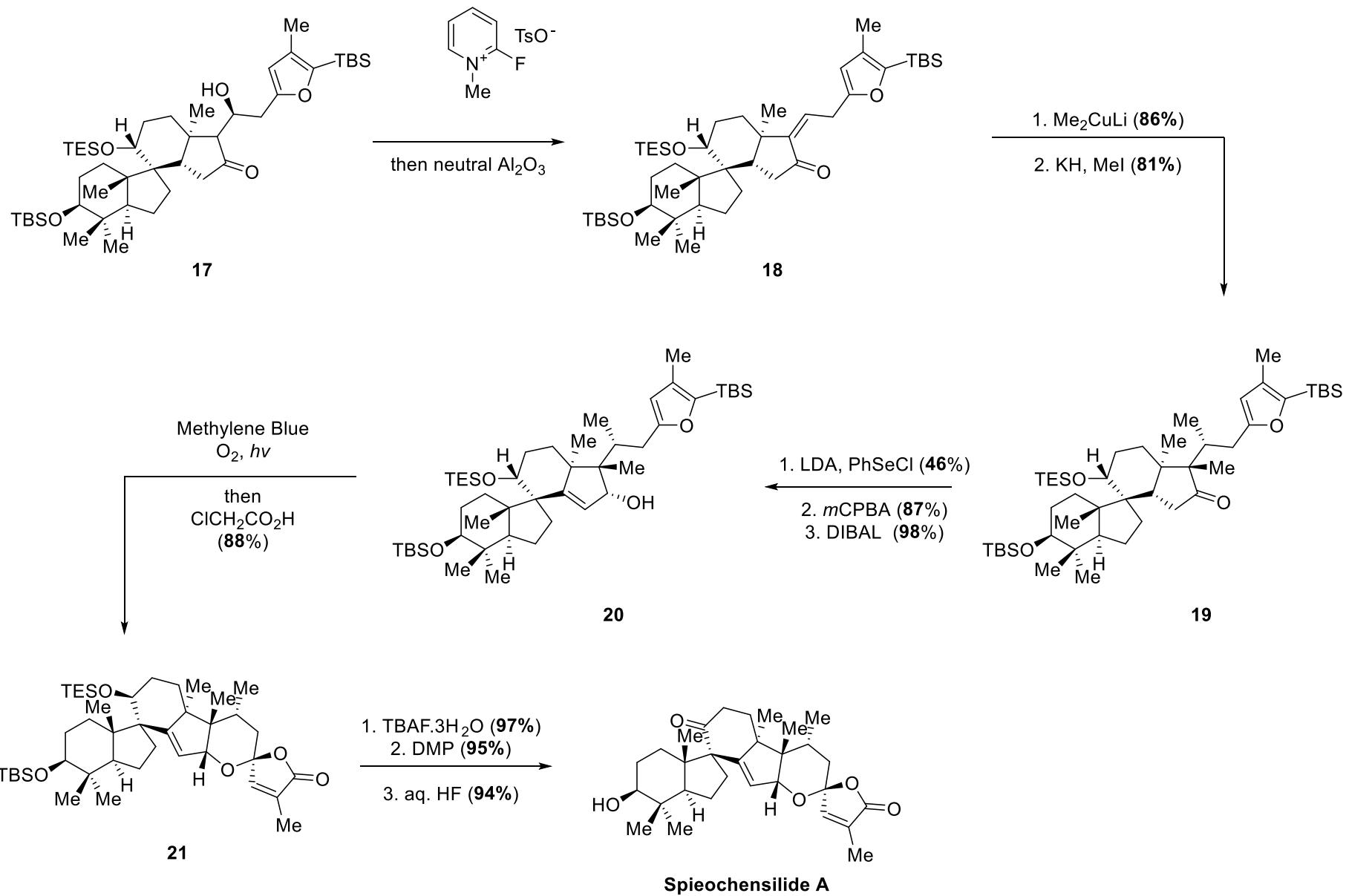
Fragment B



Fragment C







If time:

