

Synthesis Challenge 93

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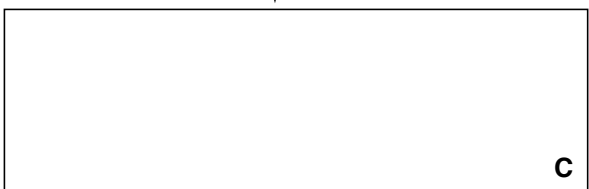
1-3

A



B

4-7



C

8-10



D

11-14



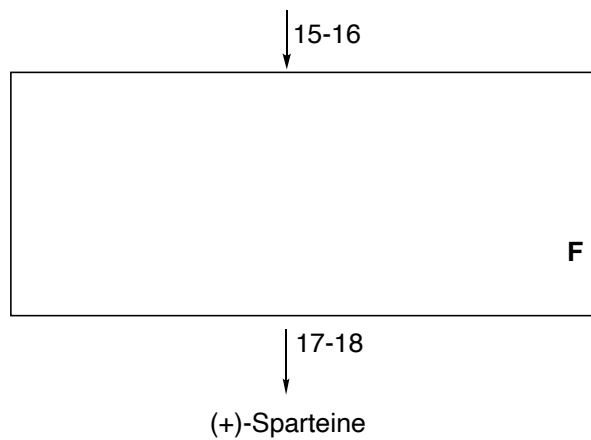
E

- 1) HSiCl_3 , $[(\text{Allyl})\text{PdCl}]_2$, (-)-*S*-MOP
- 2) H_2O_2
- 3) Swern

- 4) Ethylene glycol, TsOH
- 5) LDA, $\text{BnO}(\text{CH}_2)_3\text{CHO}$
- 6) MsCl
- 7) DBU

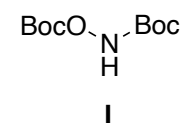
- 8) H_2 , Pd/C, $\text{Pd}(\text{OH})_2$
- 9) $\text{Zn}(\text{N}_3)_2 \times 2\text{pyr}$, DEAD, PPh_3
- 10) TiCl_4

- 11) Lawesson's reagent
- 12) Raney Ni
- 13) LDA, $\text{I}(\text{CH}_2)_4\text{Cl}$
- 14) NaI, acetone



15) I, K₂CO₃, DMF
16) TFA, 4Å MS; then NaHCO₃

17) hν (254 nm), benzene
18) LAH, THF, reflux



Please, provide a beautiful 3D drawing of the final product!