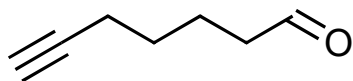


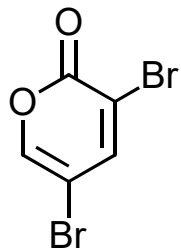
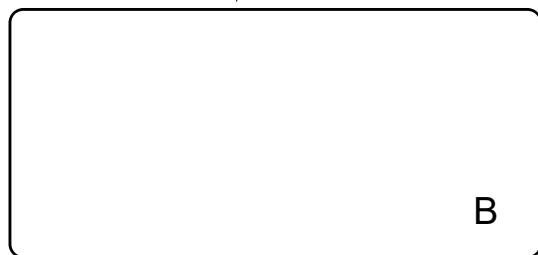
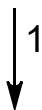
Synthesis Challenge # 53

AG Wegner

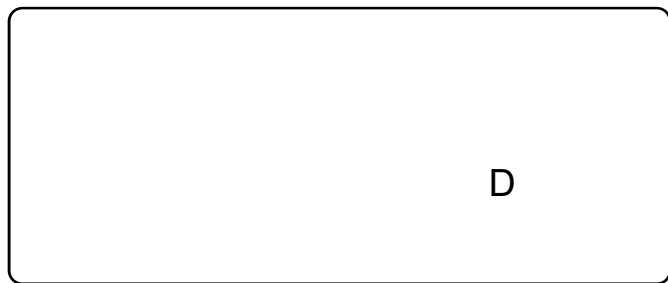
06.10.2016



A



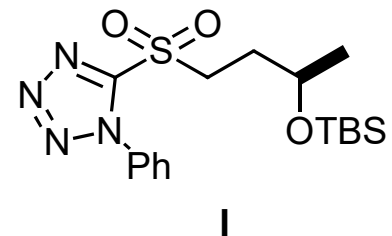
C



1) I, NaHMDS, THF, -78°C

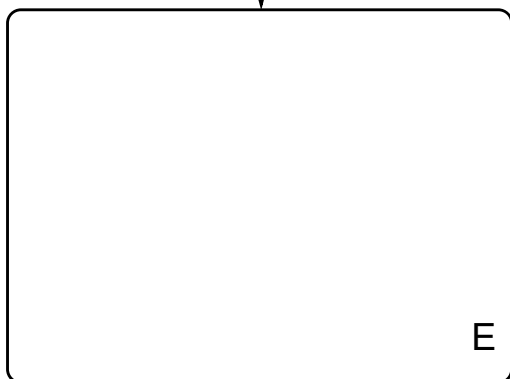
2) B, PdCl₂(PPh₃)₂, CuI, Et₃N, dioxane
3) HgO, H₂SO₄, acetone, 60°C

Please, provide a synthesis of **A**, **C** and **I**.

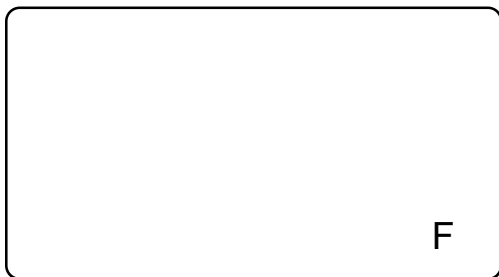


I

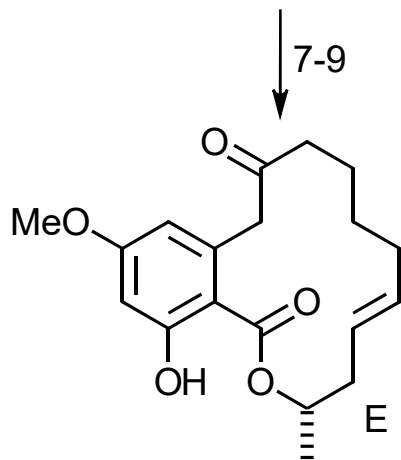
4-5



6



7-9



- 4) **II**, PPh₃, DIAD, THF
5) AgNO₃, NBS, acetone

- 6) BHT (0.5 equiv.) mesitylene, reflux

- 7) B₂pin₂, KOAc, Pd(dppf)₂Cl₂·CH₂Cl₂, dioxane, 90°C
8) 1M NaOH, H₂O₂, THF, rt
9) MeI, K₂CO₃, DMF

