What is the name of this reaction?

Please draw a mechanism and the frontier molecular orbitals.

1) A, Benzene, 0 °C

2) PhMgBr, THF, –60°C

3) B, EtOH, 80 °C

4) Boc₂O, DMAP, Et₃N, MeCN, 80 °C

A = MeO₂C\(-\)N\(-\)S\(-\)O\(\Theta\)

B = P(\(\_\))P(\(\_\))N

How would you make A?
OMethylcarbamate + SOCl₂
Provide a plausible synthesis for **D** starting with pyrrole.

**5)** C, Benzene, 80 °C

**6)** NaBH₄ or P(OMe)₃, MeOH

**7)** D, DMAP, Et₃N, THF
8) TBAF, THF

9) LiOH, THF, Water

10,11) PDC, DMF
11) Cs$_2$CO$_3$, MeOH
12) NBS, THF
13) TMSI, DCM
14) MeNCO, NaOH, H₂O

(±)-agelastatin A