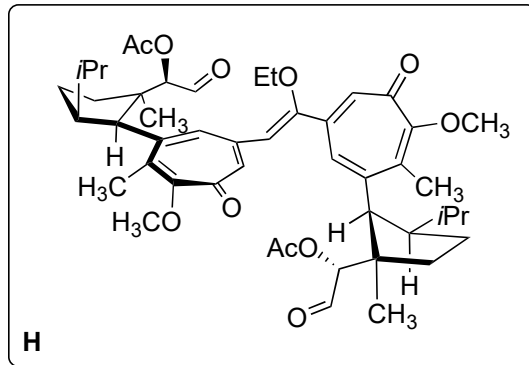
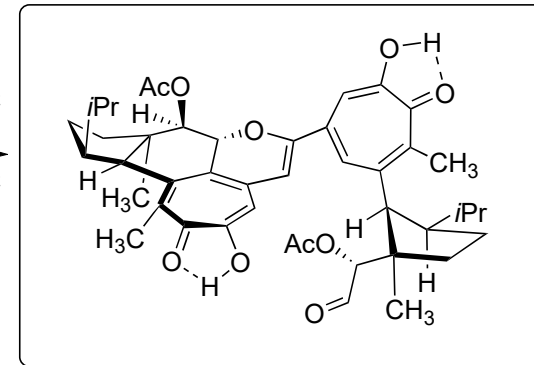




- G** →
- 18) OsO₄, NaIO₄,
2,6-lutidine, **53%**
- 19) **3** (0.45 eq.),
Pd(PPh₃)₄, CuDPP,
LiCl, **60%**



- 20) Hg(OTf)₂, **44%**
21) MgBr₂, THF, 40 °C
40% (NMR)
- 22) MgBr₂, THF, 65 °C
36% (NMR)



Anhydrogukulenin A C2-acetate

