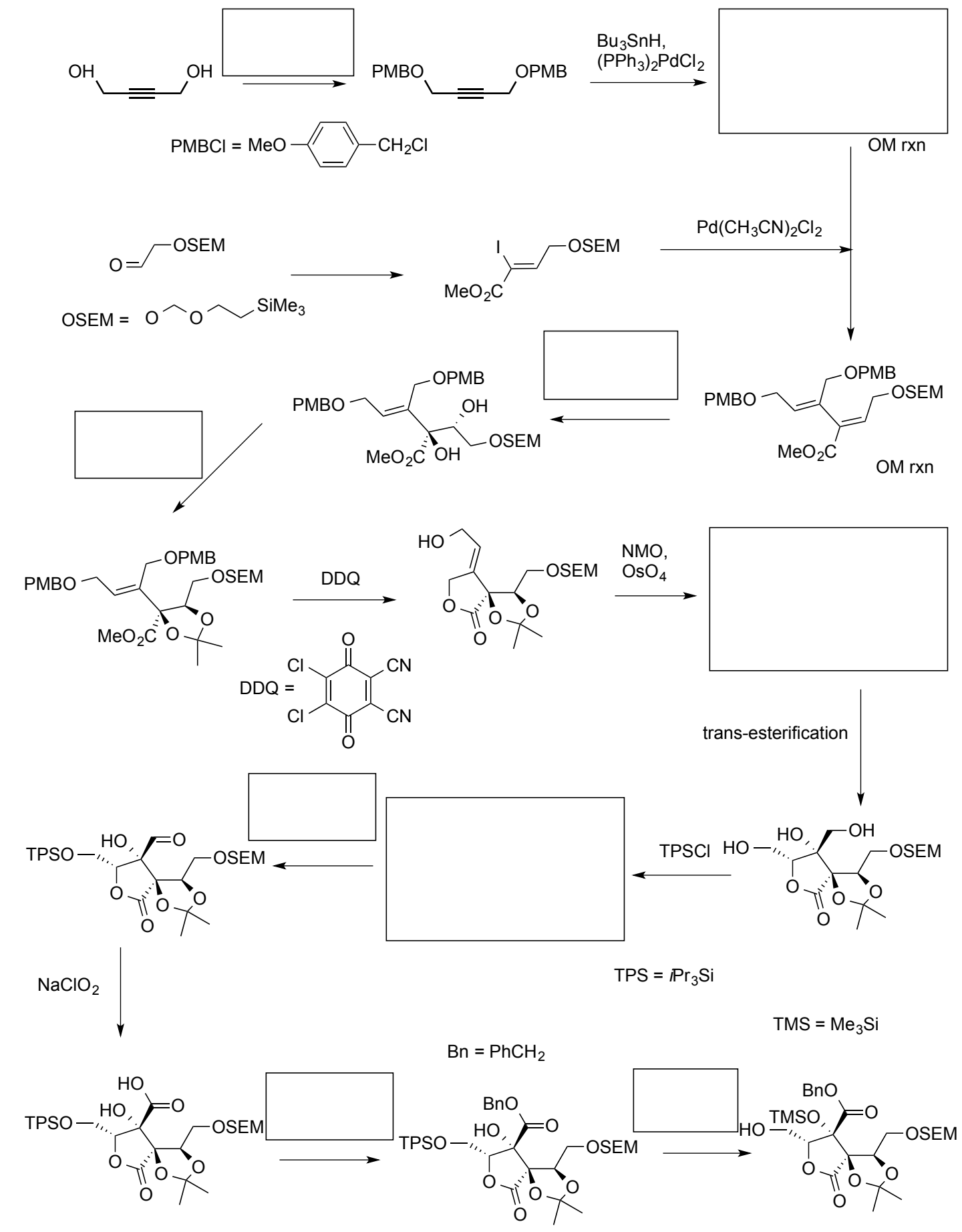
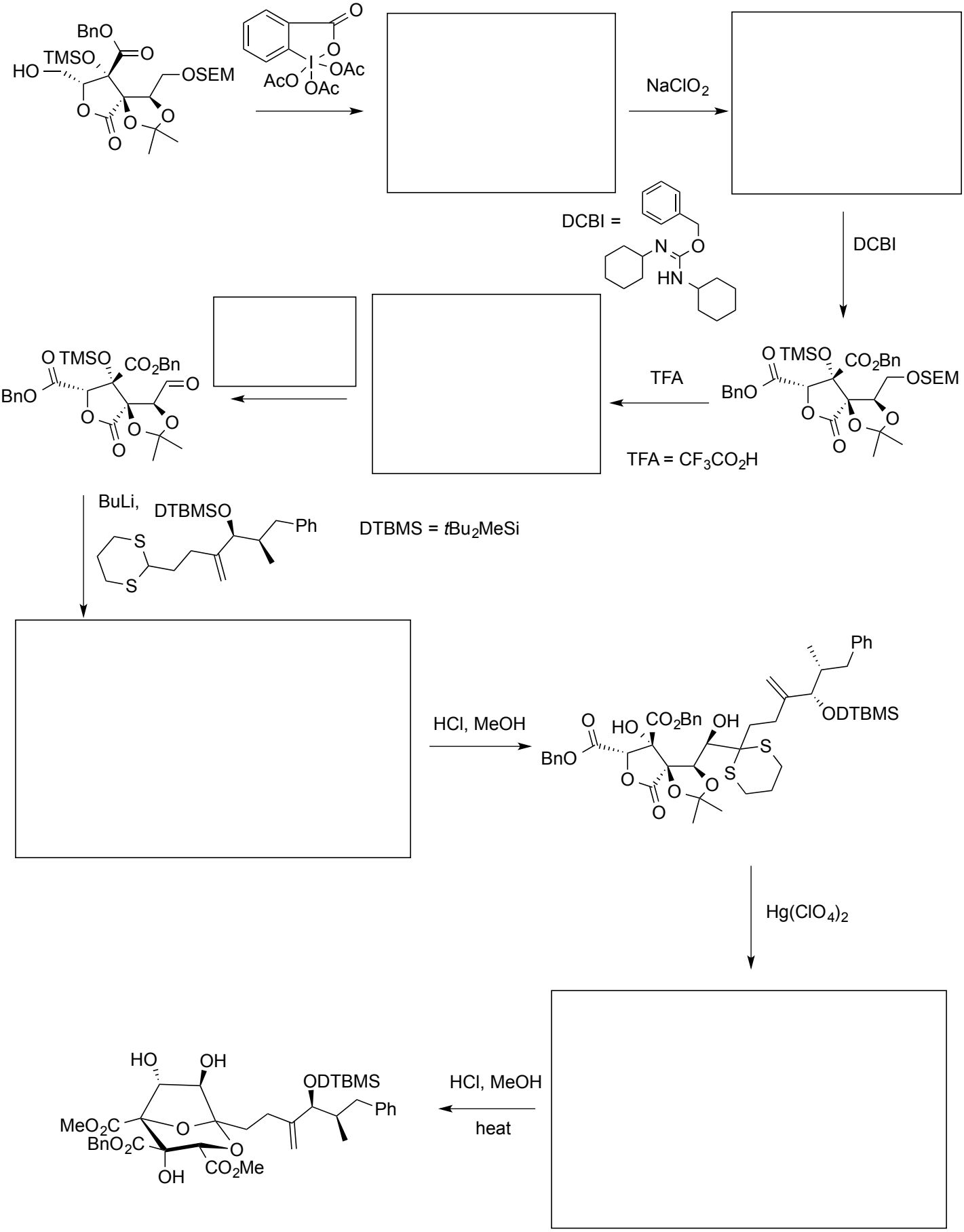
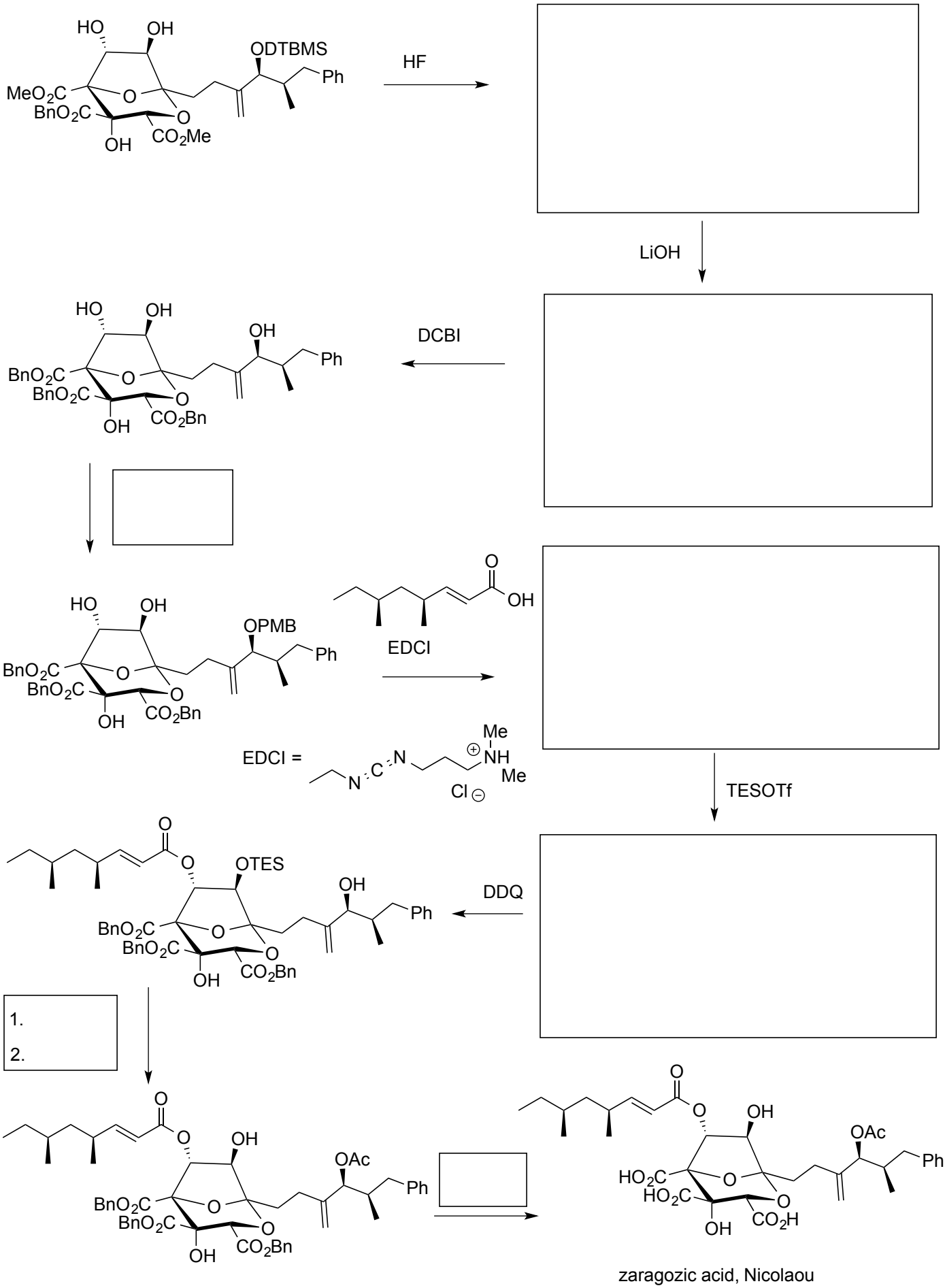
Synthesis of zaragozic acid, Nicloaou (Scripps) 1994
Squalene synthase inhibitor isolated from fungi; lowers cholesterol levels in test subjects




BnO
TMSO
HO
OSEM
AcO
OAc
OAc
NaClO2
DCBI =
DCBI
TFA
TFA = CF3CO2H
CO2Bn
BuLi,
DTBMSO
Ph
DTBMS = tBu2MeSi
HCl, MeOH
ODTBMS
Hg(ClO4)2
HCl, MeOH
heat
MeO2C
BnO2C
CO2Me


HF
LiOH
DCBI
EDCI
EDCI =
TESOTf
DDQ
1.
2.
zaragozic acid, Nicolaou

making an important piece (or "synthon")