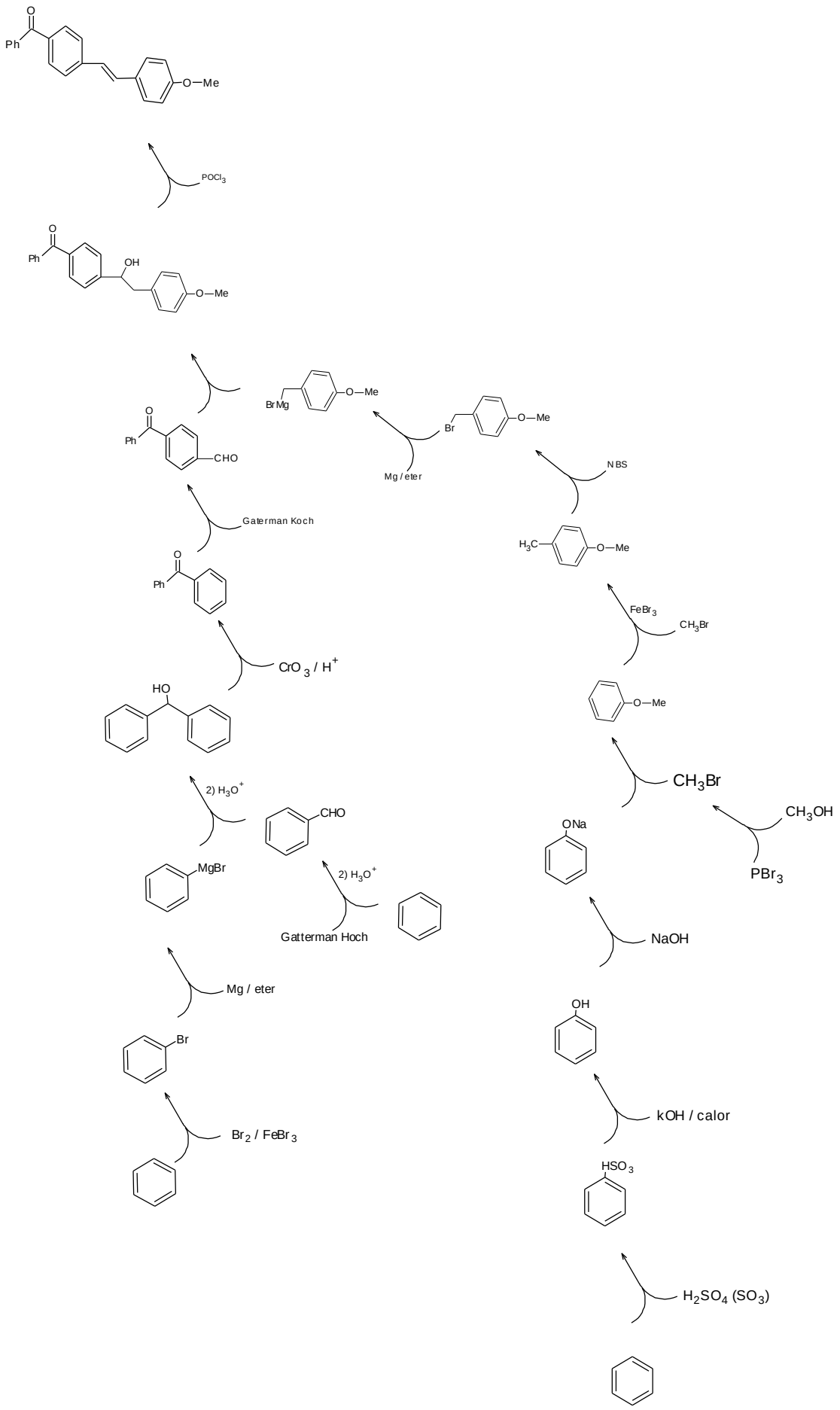
Ph
O
O—Me
POCl3
OH
BrMg
Br
Mg / eter
NBS
H3C
CHO
Gaterman Koch
CrO 3 / H+
HO
FeBr3
CH3Br
2) H3O+
MgBr
Gatterman Hoch
ONa
CH3OH
PBr3
NaOH
Mg / eter
Br
Br2 / FeBr3
kOH / calor
HSO3
H2SO4 (SO3)