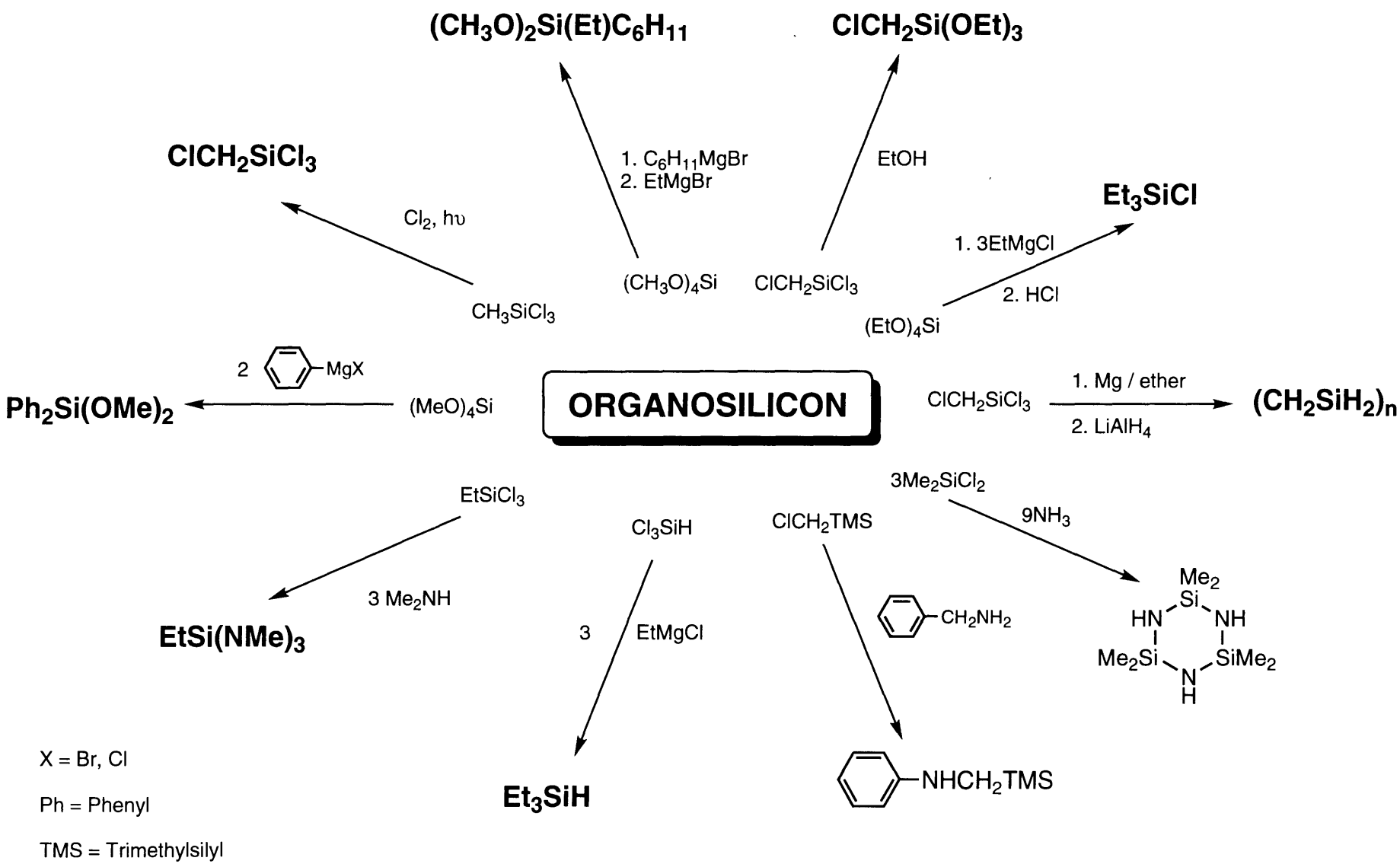
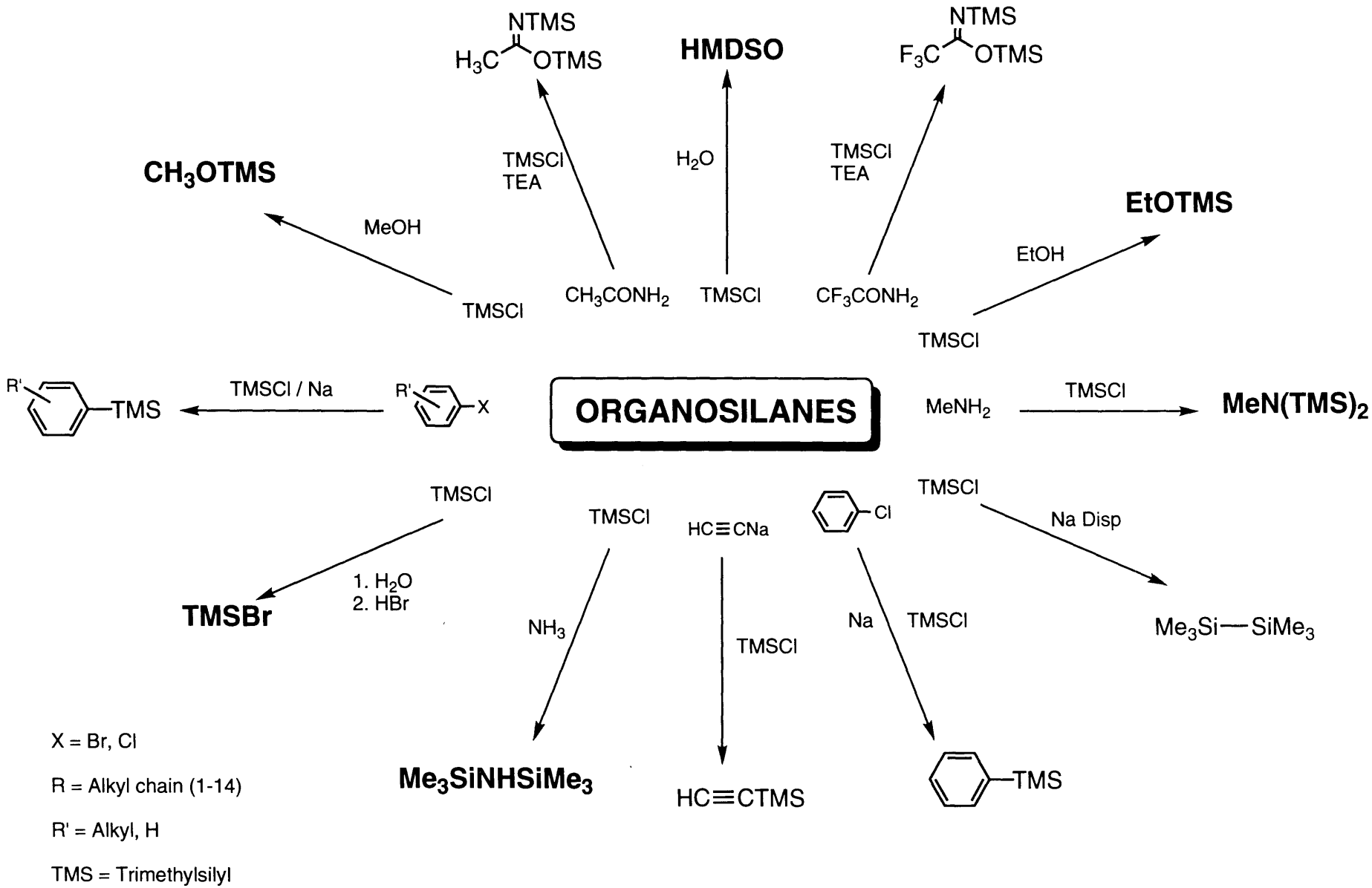
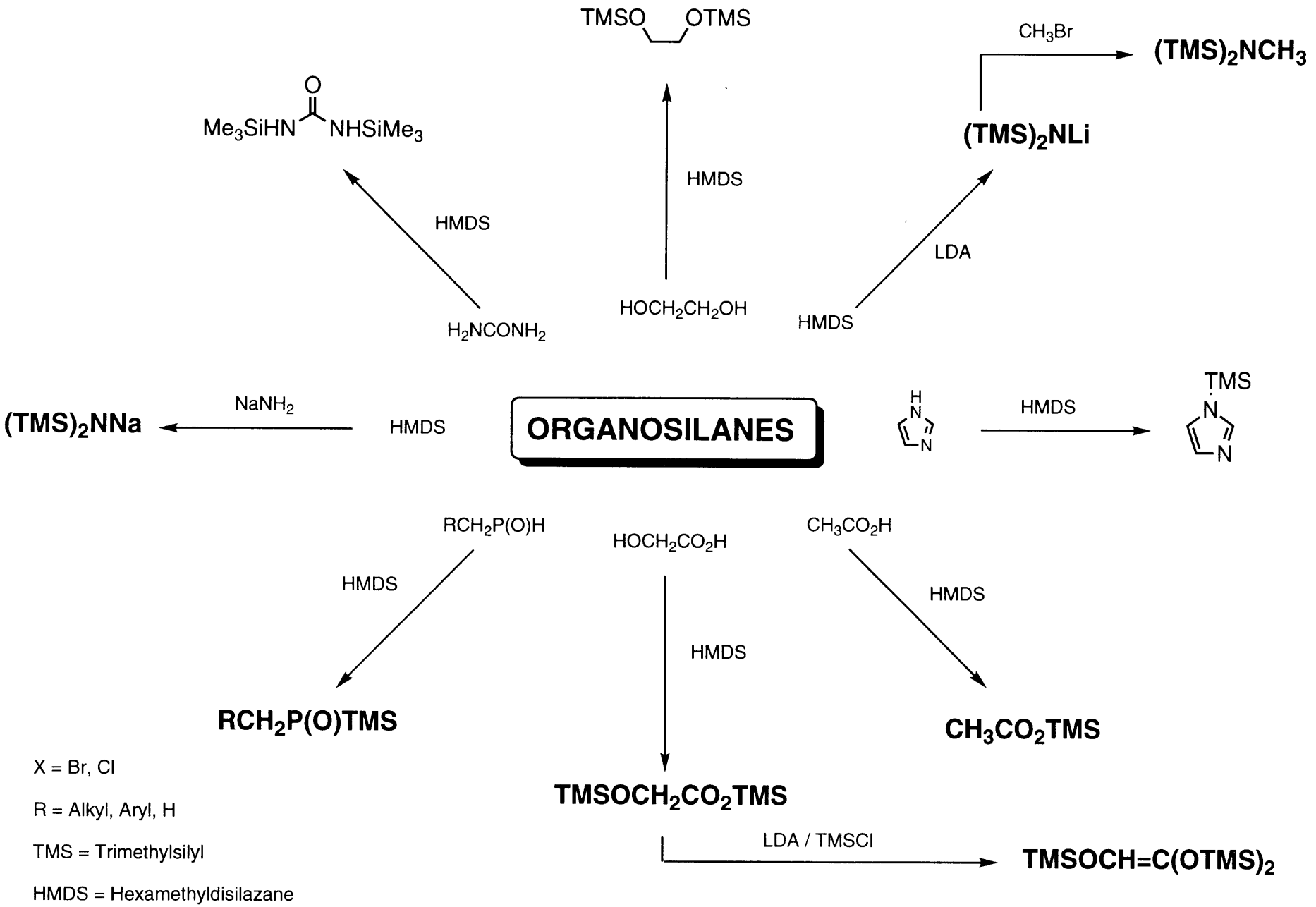

ORGANOSILICON
$(CH_3O)_2Si(Et)C_6H_{11}$
1. $C_6H_{11}MgBr$
2. EtMgBr
$(CH_3O)_4Si$
$ClCH_2Si(OEt)_3$
EtOH
$ClCH_2SiCl_3$
Et_3SiCl
1. 3EtMgCl
2. HCl
$(EtO)_4Si$
$ClCH_2SiCl_3$
Cl_2, hυ
CH_3SiCl_3
2 MgX
$Ph_2Si(OMe)_2$
$(MeO)_4Si$
$ClCH_2SiCl_3$
1. Mg / ether
2. $LiAlH_4$
$(CH_2SiH_2)_n$
$EtSiCl_3$
3 Me_2NH
$EtSi(NMe)_3$
Cl_3SiH
3 EtMgCl
Et_3SiH
$ClCH_2TMS$
CH_2NH_2
$NHCH_2TMS$
$3Me_2SiCl_2$
$9NH_3$
Me_2
Si
HN
NH
Me_2Si
$SiMe_2$
N
H
X = Br, Cl
Ph = Phenyl
TMS = Trimethylsilyl


ORGANOSILANES
CH3OTMS
MeOH
TMSCl
NTMS
H3C OTMS
TMSCl
TEA
CH3CONH2
HMDSO
H2O
TMSCl
NTMS
F3C OTMS
TMSCl
TEA
CF3CONH2
EtOTMS
EtOH
TMSCl
R'
TMS
TMSCl / Na
R'
X
MeNH2
TMSCl
MeN(TMS)2
TMSCl
TMSBr
1. H2O
2. HBr
TMSCl
NH3
Me3SiNHSiMe3
TMSCl
HC≡CNa
TMSCl
HC≡CTMS
Cl
TMSCl
Na
TMS
TMSCl
Na Disp
Me3Si—SiMe3
X = Br, Cl
R = Alkyl chain (1-14)
R' = Alkyl, H
TMS = Trimethylsilyl


ORGANOSILANES
TMSO OTMS
HMDS
HOCH2CH2OH
Me3SiHN NHSiMe3
O
HMDS
H2NCONH2
(TMS)2NLi
CH3Br
(TMS)2NCH3
LDA
HMDS
(TMS)2NNa
NaNH2
HMDS
H
N
N
HMDS
TMS
N
N
RCH2P(O)H
HMDS
RCH2P(O)TMS
HOCH2CO2H
HMDS
TMSOCH2CO2TMS
CH3CO2H
HMDS
CH3CO2TMS
LDA / TMSCl
TMSOCH=C(OTMS)2
X = Br, Cl
R = Alkyl, Aryl, H
TMS = Trimethylsilyl
HMDS = Hexamethyldisilazane