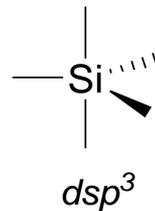
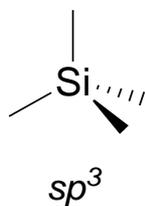
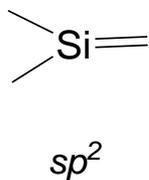
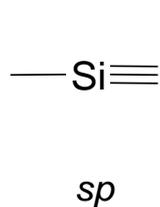


CAPITULO VI

Parte c

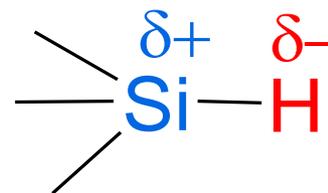
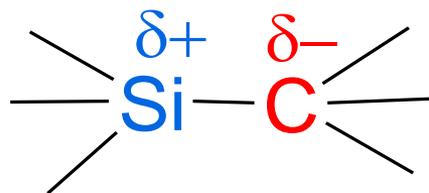
Compuestos orgánicos de: silicio

Compuestos orgánicos del silicio

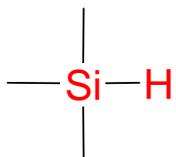
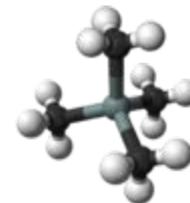
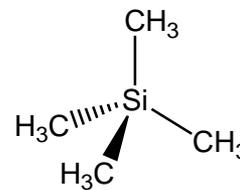
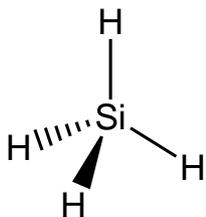


	Tamaño	Electronegatividad
C	0,77	2,5
Si	1,77	1,8

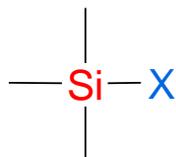
Enlace	Longitud
C-C	1,54 Å
C-Si	1,90 Å
Si-Si	2,34 Å



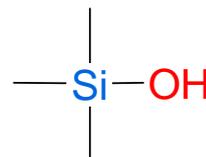
Silanos y organosilanos. Nomenclatura



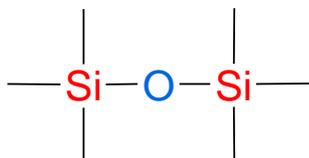
Silano



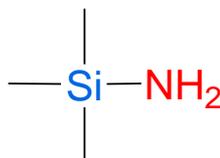
Halosilano



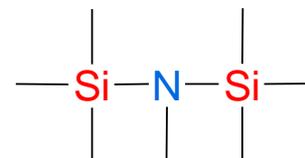
Silanol



Siloxano

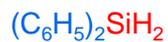


Sililamina

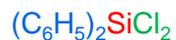


Silazano

Silanos y organosilanos. Nomenclatura



Difenilsilano



Difenildiclorosilano



Difenilsilandiol



Silil-

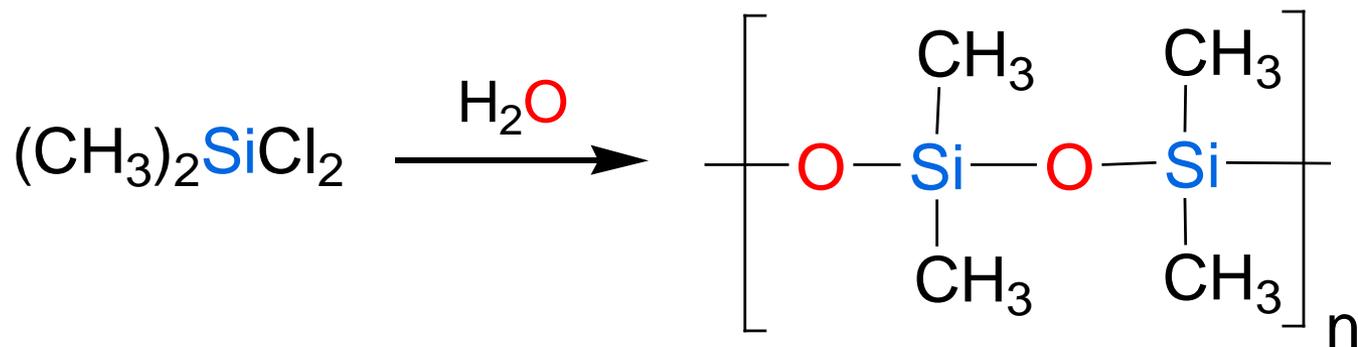
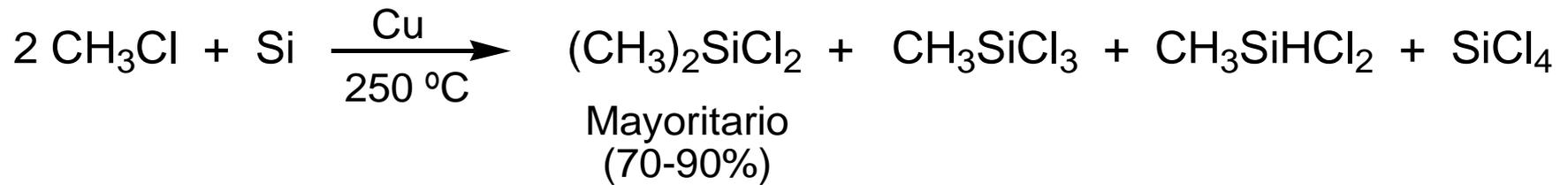


Trimetilsilil-



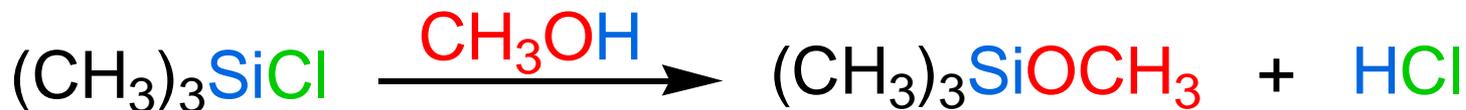
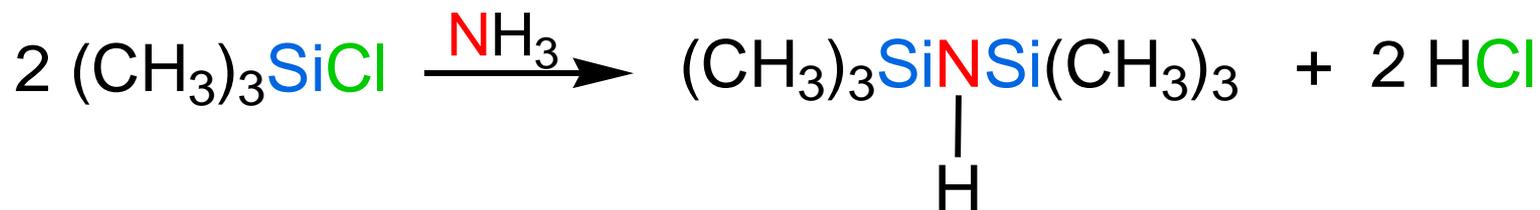
Fenildimetilsilil-

Métodos de obtención de los compuestos orgánicos de silicio



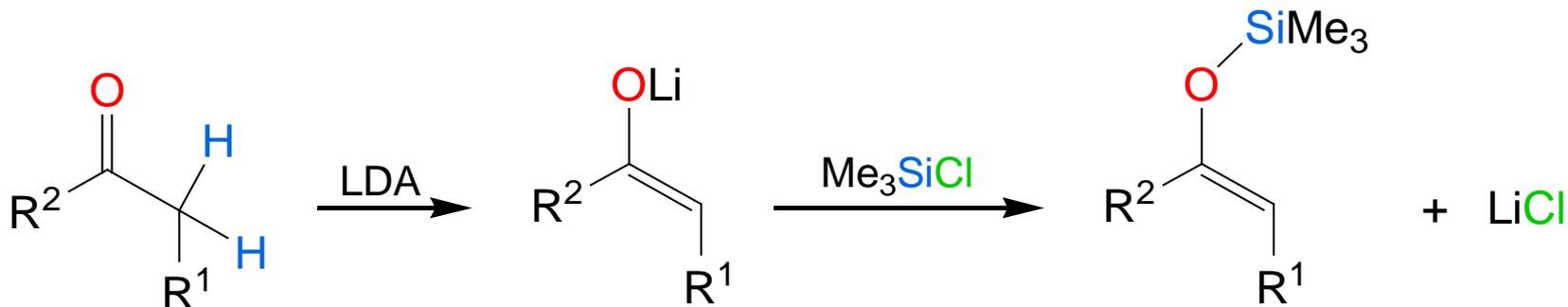
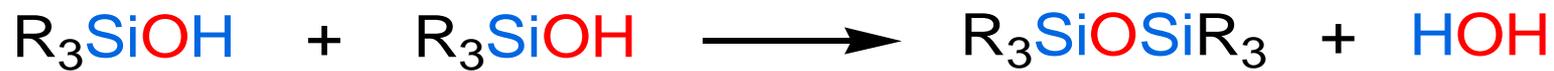
Siliconas

Métodos de obtención de los compuestos orgánicos de silicio

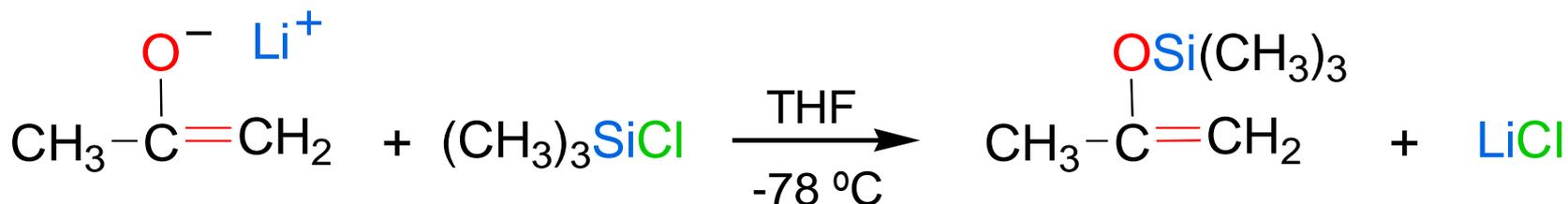


X = halógeno, OR, OCOR, H, etc.

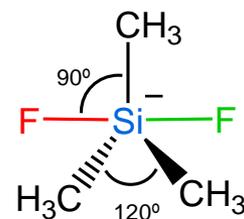
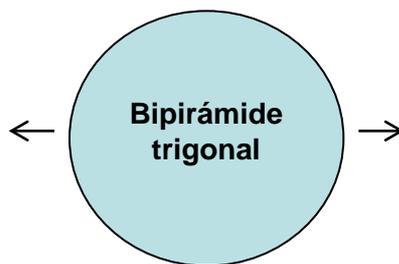
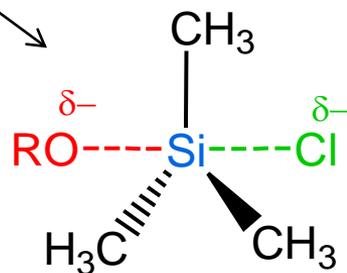
Métodos de obtención de los compuestos orgánicos de silicio



Reactividad de los compuestos orgánicos de silicio

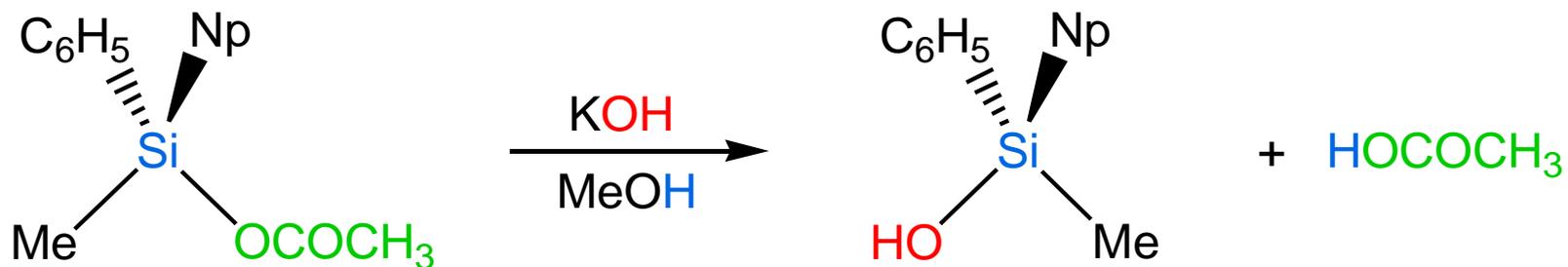


S_N2



Anión difluorotrimetilsiliconato

Reactividad de los compuestos orgánicos de silicio

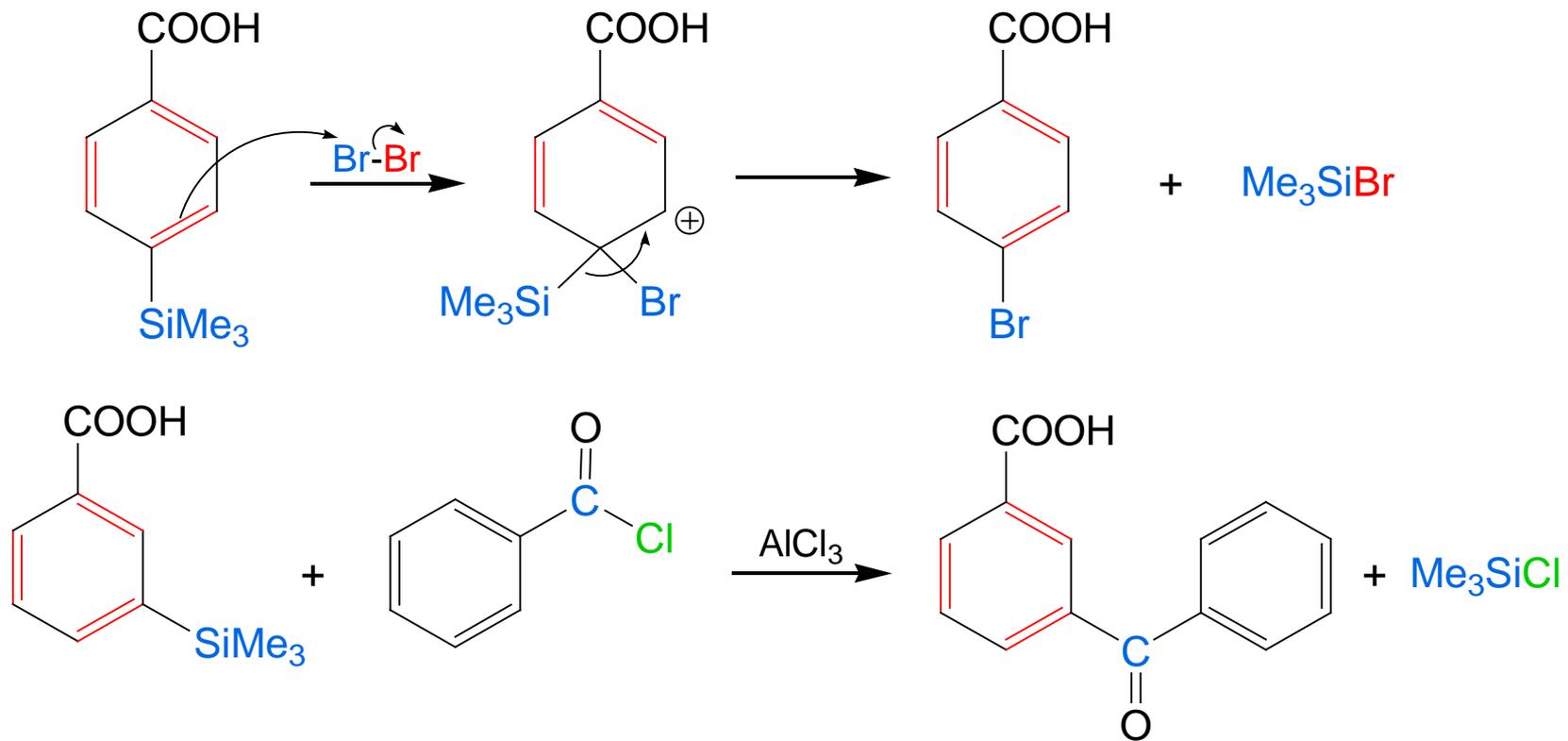


Acetato de (*R*)-fenilmetilnaftilsililo

(*S*)-Fenilmetilnaftilsilanol

Inversión de la configuración:
 S_N2

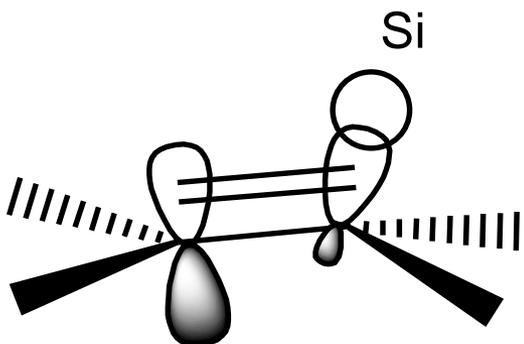
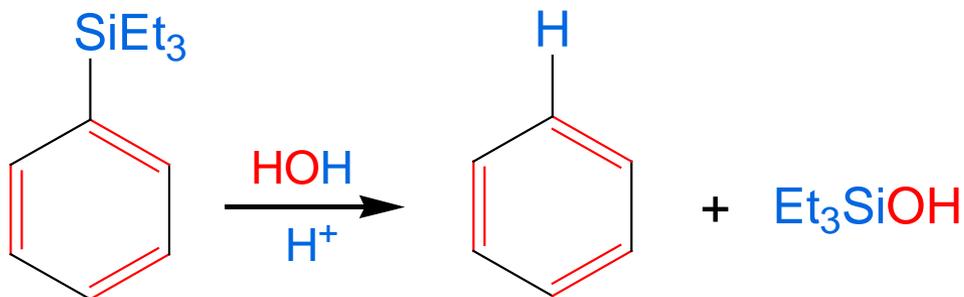
Reactividad de los compuestos orgánicos de silicio



$\text{S}_{\text{E}}\text{A}$

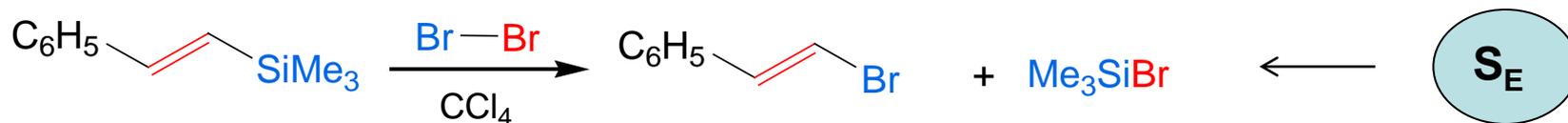
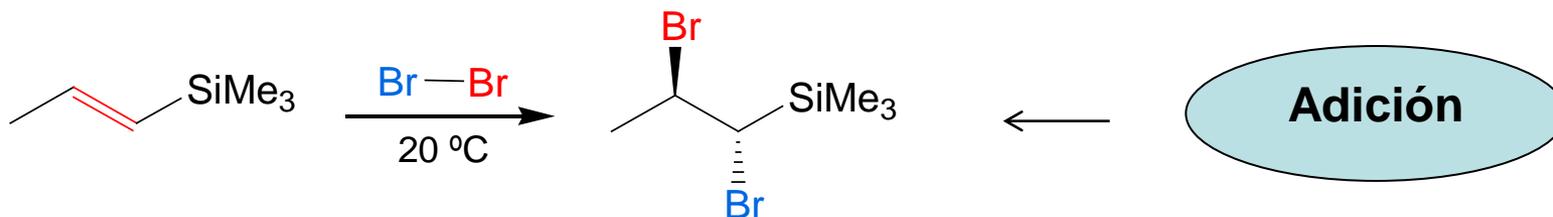
Reactividad de los compuestos orgánicos de silicio

**10^4 más veloz
que benceno**

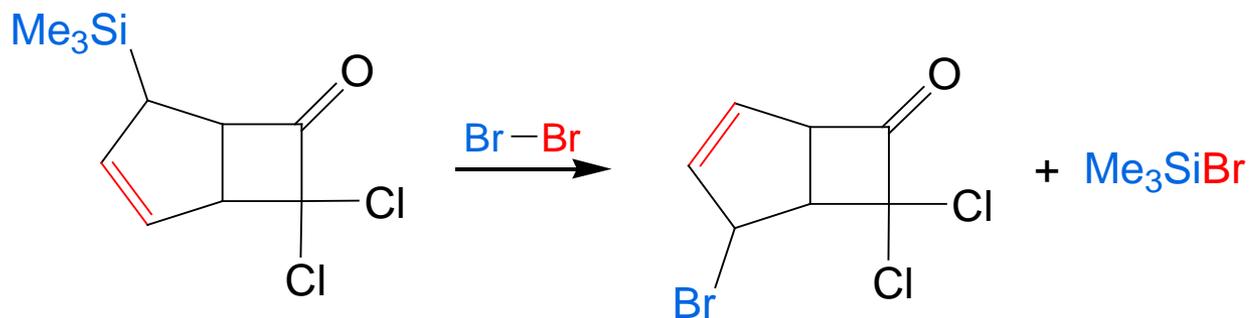
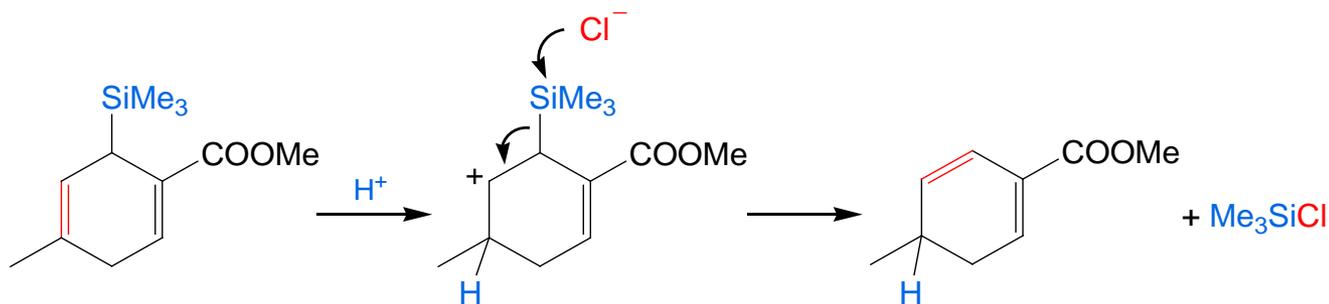


Hiperconjugación

Reactividad de los compuestos orgánicos de silicio

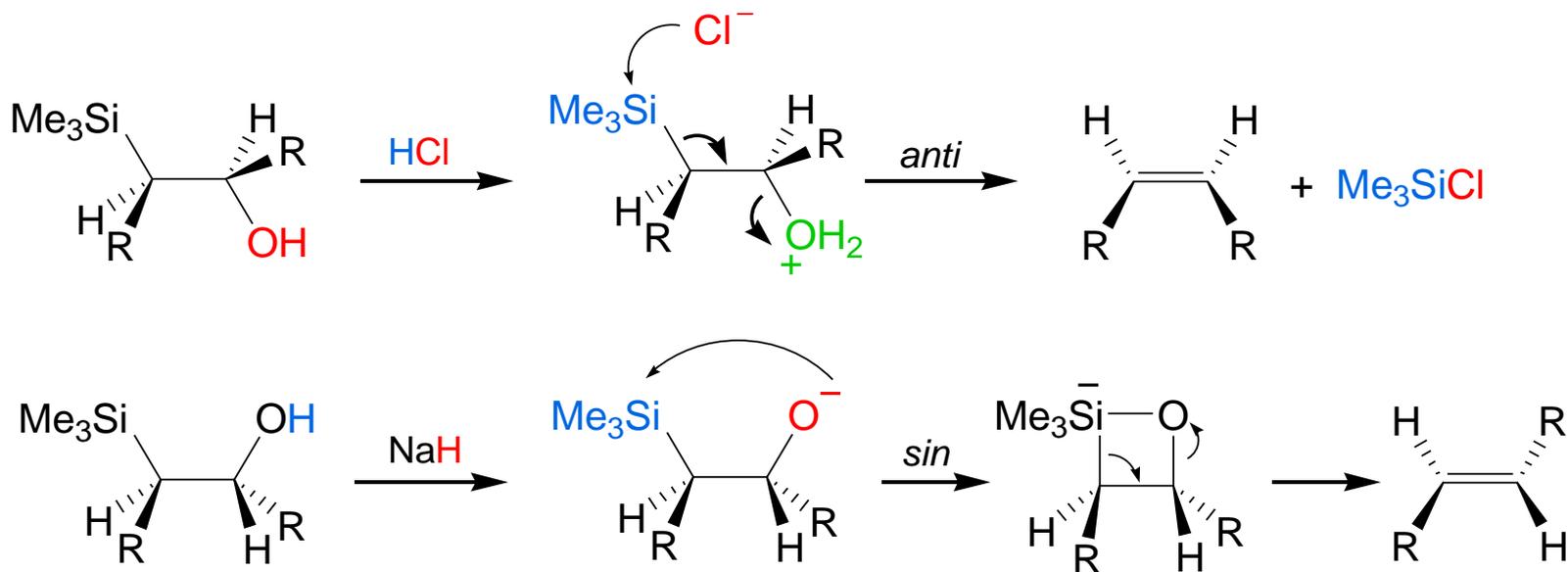


Reactividad de los compuestos orgánicos de silicio



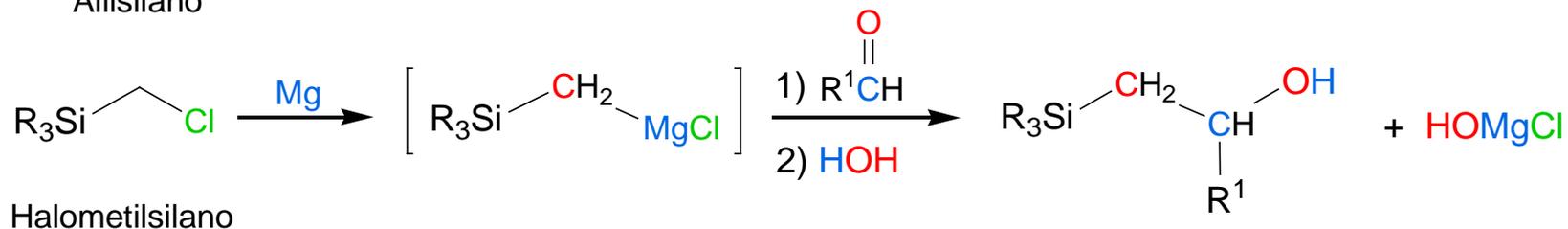
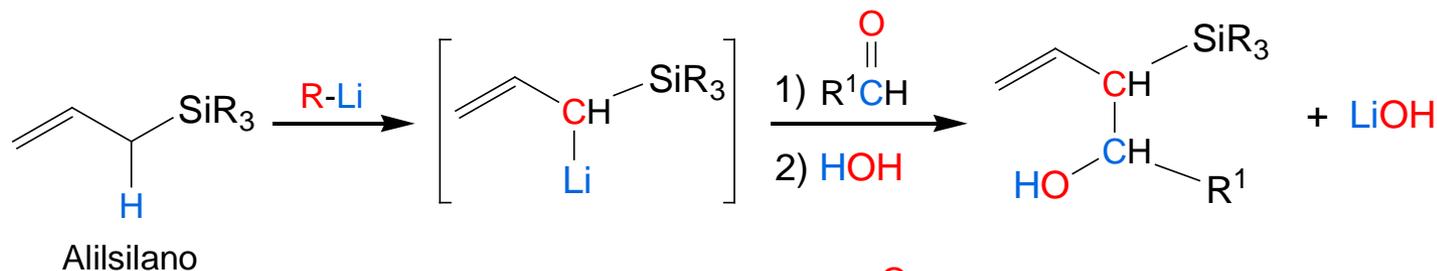
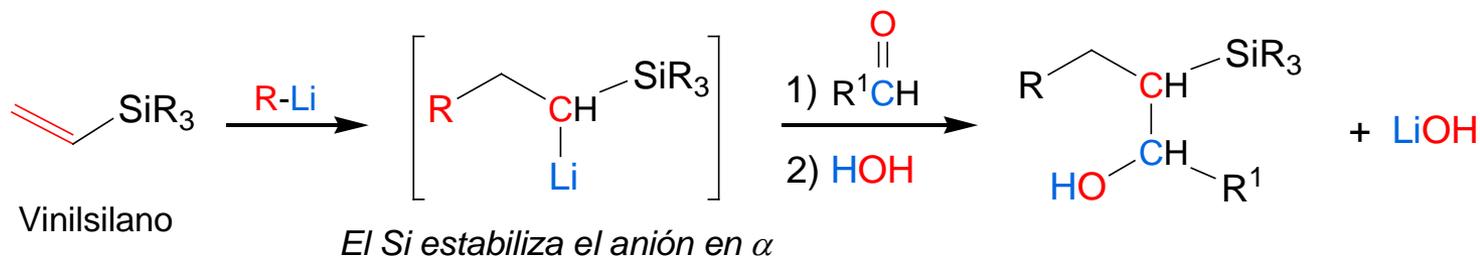
Transposición de
dobles
enlaces

Reactividad de los compuestos orgánicos de silicio



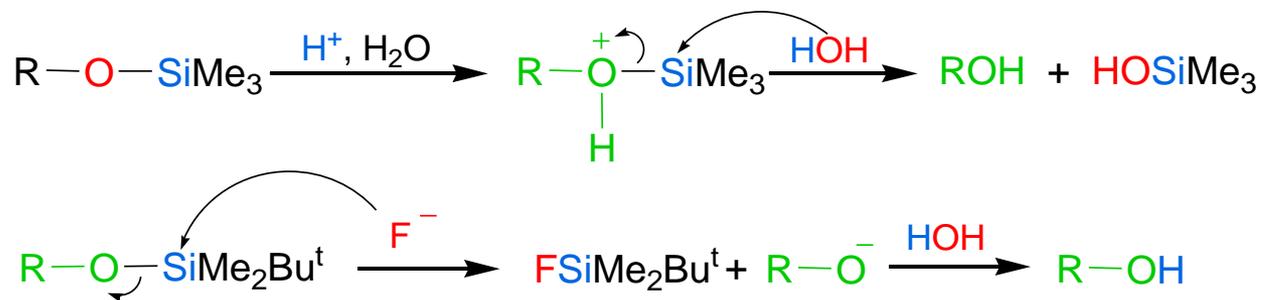
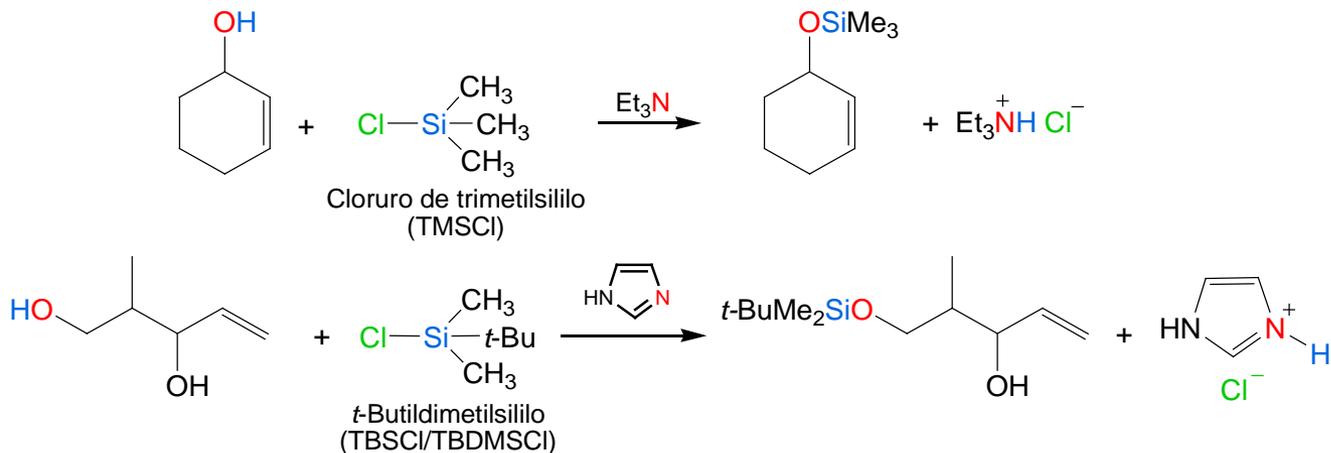
Olefinación de Peterson

Reactividad de los compuestos orgánicos de silicio



Síntesis de silil-alcoholes

Reactividad de los compuestos orgánicos de silicio



Protección de alcoholes en síntesis