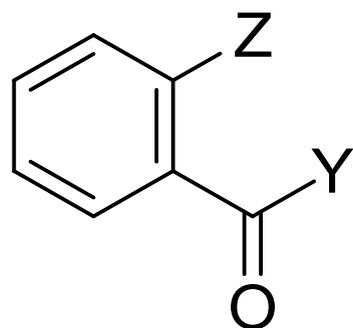
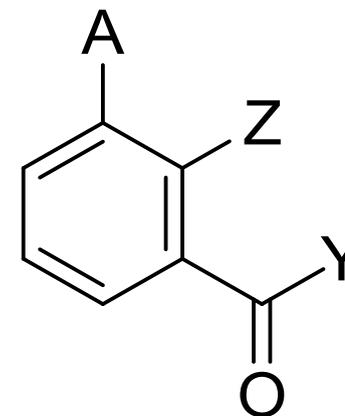


## 1) オルト位Li化

パラジウム触媒利用反応

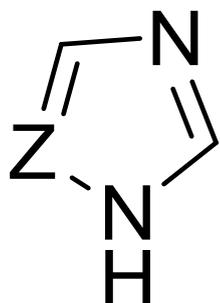


Pd cat.

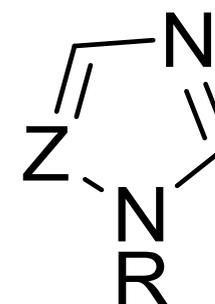


Y = 含Fユニット

複素環化合物取扱



base

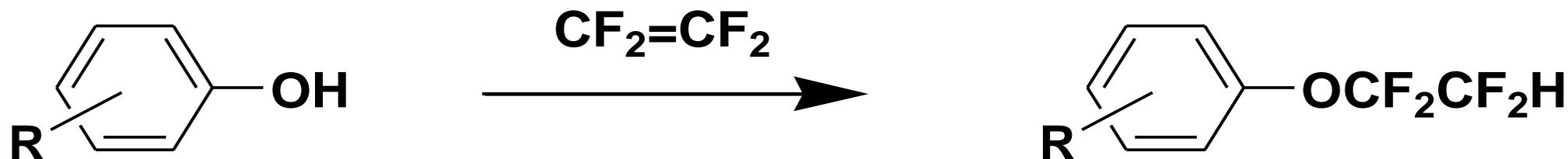


Z = CH, N

## 2) フルオロアルキル基導入

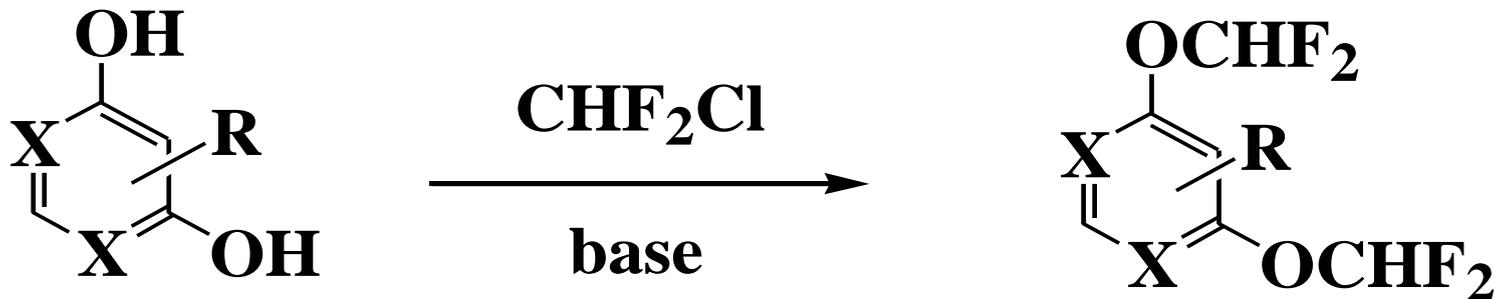
オレフィン挿入

*CF<sub>2</sub>=CF<sub>2</sub> Insertion Reaction*



各種ハライド

*Reaction with CHF<sub>2</sub>Cl, or CF<sub>2</sub>X<sub>2</sub>*



X : N, CH

