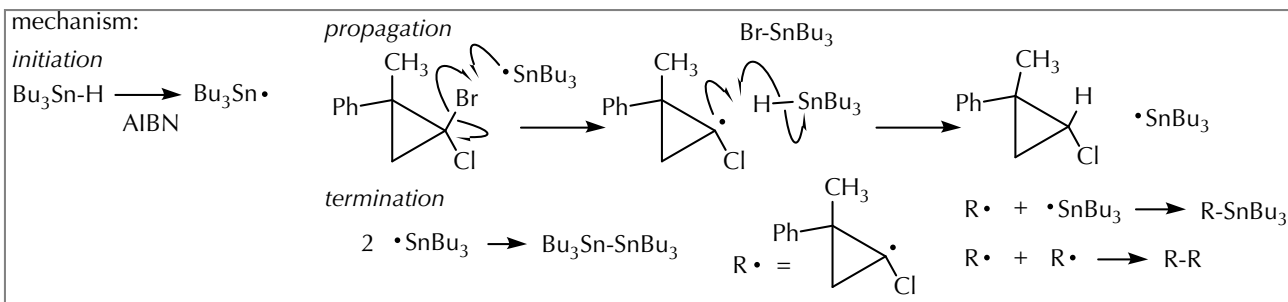
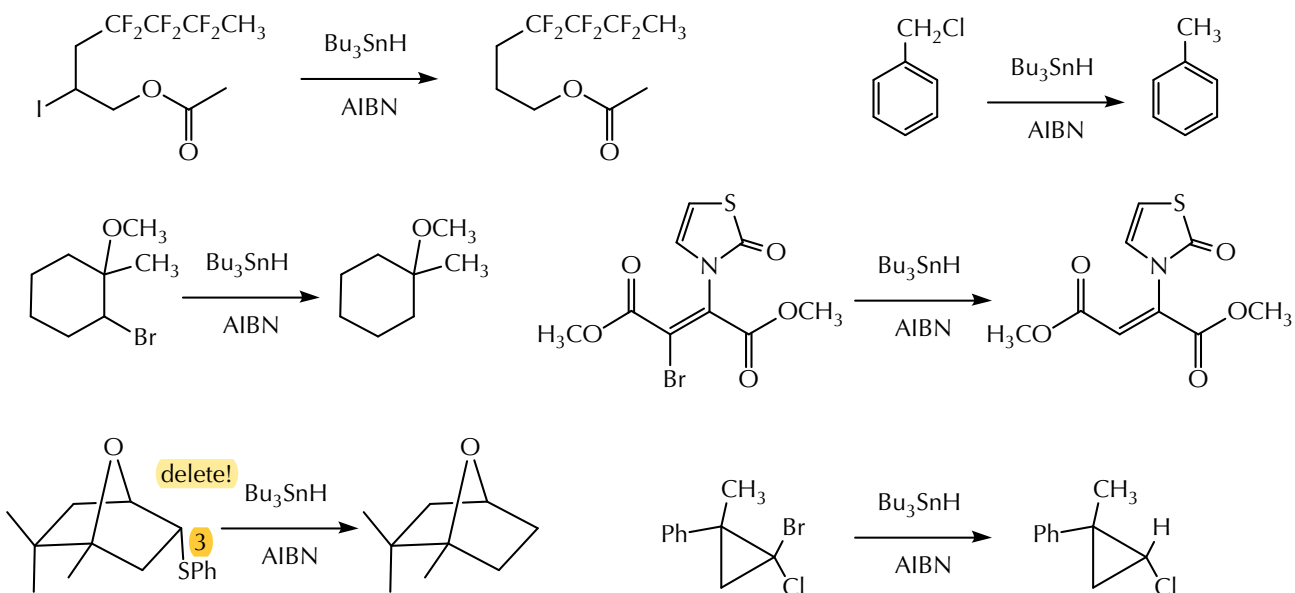


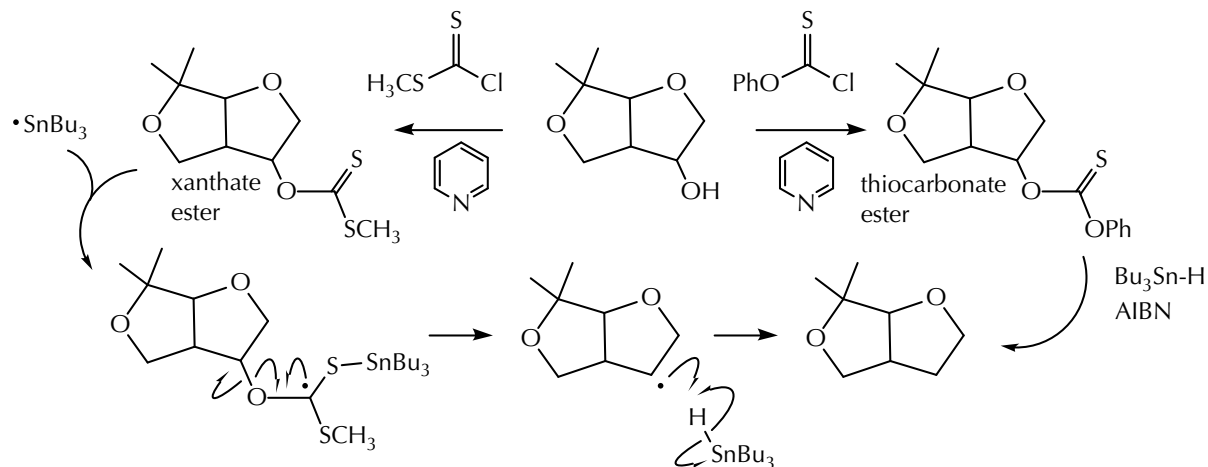
Figure 1983

## Reduction reactions using tributyltin hydride.

C-X and C-SPh reduction to C-H



C-OH reduction to C-H



*Atmosphere:* In the lower atmosphere, radical-initiated oxidation plays an important role in removing hydrocarbon pollutants from the air. In unfiltered sunlight, one of the oxygen-oxygen bonds in ozone ( $\text{O}_3$ ) is broken, and a molecule of oxygen plus an atom of oxygen are formed. Most of the time (estimated to be about 97%), the oxygen atom just recombines with molecular oxygen to give back ozone, but it can also react with water to give two hydroxyl radicals (Figure 1984 on the next page).