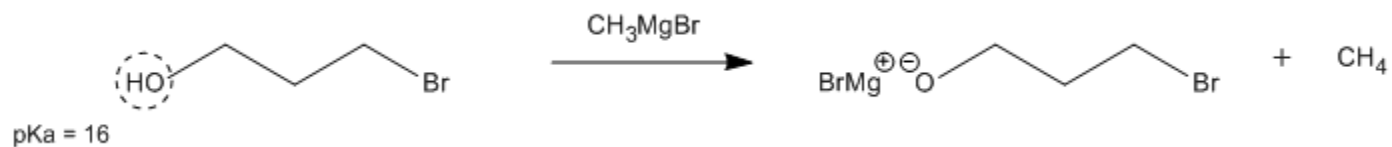


CONCEPT: PROTECTING ALCOHOLS FROM ORGANOMETALLICS

□ Organometallics are **powerful** bases. They will react with any acidic protons available, ruining the reagent.



We can use *tert*-butyl or silyl ethers to protect alcohols from deprotonation by organometallic reagents

- *p*-Toluenesulfonic acid is an acid commonly used for this step (abbrev. TsOH or pTSA)

EXAMPLE: Provide the mechanism and final product for the following transformation

