

Organometallic compounds of Mg and Li: Use in synthesis of organic compounds

Many other kinds of organometallic compounds can be prepared in a manner similar to that of Grignard reagents. For instance, **alkyllithium reagents, RLi**, can be prepared by the reaction of an alkyl halide with **lithium metal**. Alkylolithiums are both nucleophiles and strong bases, and their chemistry is similar in many respects to that of alkylmagnesium halides.

