A Grignard reagent is an organomagnesium compound that has the following general structural formula.

\[ R \text{---Mg---} X \]

\( R = \text{alkyl group or aryl group} \)

\( X = \text{halogen atom} \)

eg:

\[
\begin{align*}
\text{H}_2\text{C} & \text{---Mg---} \text{Cl} \\
\text{Cyclic} & \text{---Mg---} \text{Br}
\end{align*}
\]

see also carbanion equivalent

Contributors

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