An organolithium compound or organolithium reagent is an organometallic compound that has the following general structural formula.

\[
\text{R} \quad \text{Li}
\]

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

eg:

\[
\begin{align*}
\text{H} \quad & \quad \text{Li} \\
\text{H} \quad & \quad \text{Li}
\end{align*}
\]

see also carbanion equivalent

Contributors

- Gamini Gunawardena from the OChemPal site (Utah Valley University)