A secondary (2°) amine is an amine that has the following general structural formula.

\[
\begin{array}{c}
  \text{N} \\
  \text{H} \\
  \text{R}^1, \text{R}^2 = \text{alkyl and/or aryl}
\end{array}
\]

eg:

\[
\begin{array}{cc}
  \text{CH}_3 & \text{CH}_3 \\
  \text{N} & \text{H} \\
  \text{H} & \text{H}
\end{array}
\quad
\begin{array}{cc}
  \text{CH}_3 & \text{CH}_3 \\
  \text{N} & \text{H} \\
  \text{H} & \text{H}
\end{array}
\quad
\begin{array}{cc}
  \text{C}_6\text{H}_{10} & \text{CH}_3 \\
  \text{N} & \text{H} \\
  \text{H} & \text{H}
\end{array}
\quad
\begin{array}{cc}
  \text{C}_6\text{H}_{10} & \text{C}_6\text{H}_{10} \\
  \text{N} & \text{H} \\
  \text{H} & \text{H}
\end{array}
\quad
\begin{array}{c}
  \text{H} \\
  \text{H} \\
  \text{N}
\end{array}
\]

The NH group in a secondary amine molecule is called the secondary amine group.

See also primary amine and tertiary amine.

Contributors

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