An imine is a compound that has the following general structural formula.

\[
\begin{array}{c}
\text{R}^1 \\
\text{C} \\
\text{N} \\
\text{R}^2 \\
\text{R}^3
\end{array}
\]

\(R^1, R^2, \) and \(R^3\) could be hydrogen atoms, alkyl groups, aryl groups, or any combination thereof.

eg:

If, in an imine molecule, the ligand on the nitrogen atom is an alkyl or aryl group, the imine is also called a Schiff's base.

eg:

The carbon-nitrogen double bond in an imine molecule is called the imine group.
Contributors

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