A thiol, thio alcohol, or mercaptan is a compound that has the following general structural formula.

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

\(\text{R}^1 - \text{R}^3\) could be hydrogen atoms, alkyl groups, aryl groups, or any combination thereof.

eg:

The sulfhydryl group in a thiol is called the thiol group.

**Contributors**

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