

Alcohols and Carboxylic Acids

Structure	Name
$\begin{array}{c} \text{OH} \\ \\ \text{CH}_3 \end{array}$	Methanol
$\begin{array}{c} \text{OH} \\ \\ \text{CH} \\ / \quad \backslash \\ \text{H}_3\text{C} \quad \text{CH}_3 \end{array}$	2-propanol
$\text{H}_3\text{C}-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{OH}$	1-butanol
$\begin{array}{c} \text{OH} \\ \\ \text{CH} \\ / \quad \backslash \\ \text{H}_3\text{C} \quad \text{CH}_2 \\ \quad \quad \quad \backslash \\ \quad \quad \quad \text{CH}_2 \\ \quad \quad \quad \quad \quad \backslash \\ \quad \quad \quad \quad \quad \text{CH}_3 \end{array}$	2-pentanol
$\begin{array}{c} \text{CH}_2 \\ / \quad \backslash \\ \text{HO} \quad \text{CH} \\ \quad \quad \quad \\ \quad \quad \quad \text{CH}_3 \end{array}$	2-methyl-1-propanol
$\begin{array}{c} \text{O} \quad \text{OH} \\ \backslash \quad / \\ \text{C} \\ \\ \text{CH}_3 \end{array}$	CH_3COOH acetic acid Ethanoic acid $\text{HC}_2\text{H}_3\text{O}_2$
$\text{O}=\text{CH}-\text{OH}$	Methanoic acid
$\begin{array}{c} \text{O} \\ \\ \text{HO}-\text{C}-\text{CH}-\text{CH}_3 \end{array}$	propanoic acid
$\text{H}_3\text{C}-\text{CH}_2-\text{CH}_2-\text{C}(=\text{O})-\text{OH}$	butanoic acid
$\begin{array}{c} \text{O} \\ \\ \text{HO}-\text{C}-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{CH}_2-\text{CH}_3 \end{array}$	hexanoic acid