

Functional Group	Structure	Nomenclature	Examples
alkanes	$R-CH_3$	-ane	methane, butane, hexane, heptane
alkenes	$\begin{array}{c} H & H \\   &   \\ R_1-C & =C-R_2 \end{array}$	-ene	ethene, butene, hexene, heptene
alkynes	$R_1-C \equiv C-R_2$	-yne	ethyne, butyne, hexyne, heptyne
diene	$CH_2=CH-CH=CH_2$	-diene	butadiene, hexadiene
alcohols	$R-OH$	-ol	methanol, butanol, hexanol, heptanol
ethers	$R_1-O-R_2$	-oxy-	ethoxyethane or diethyl ether
aldehydes	$\begin{array}{c} O \\ // \\ R-C \\ \backslash \\ H \end{array}$	-al	methanal, butanal, hexanal, heptanal
ketones	$\begin{array}{c} O \\    \\ R-C-R \end{array}$	-one	propanone, butanone
carboxylic acids	$\begin{array}{c} O \\    \\ R-C-OH \end{array}$	-oic acid	ethanoic acid, butanoic acid
esters	$\begin{array}{c} O \\    \\ R_1-C-O-R_2 \end{array}$	-oate	ethyl ethanoate or ethyl acetate
amides	$\begin{array}{c} O \\    \\ R_1-C-N-R_2 \\   \\ H \end{array}$	-amide	N-methylethanamide
amines	$\begin{array}{c} H \\ / \\ R-N \\ \backslash \\ H \end{array}$	-amine	ethanamine
nitriles	$R-C \equiv N$	-nitrile	ethanenitrile
Thiols	$R-S-H$	-thiol	ethanethiol