

Formula	Function	Suffix (main function)	Prefix (secondary function)	Example
$\begin{array}{c} \text{O} \\ \\ \text{R}-\text{C}-\text{OH} \end{array}$	Acid	-oic acid	carboxyl-	CH ₃ -COOH Ethanoic acid
$\begin{array}{c} \text{O} \\ \\ \text{R}-\text{C}-\text{O}-\text{R}' \end{array}$	Ester	-yl -oate		CH ₃ -COO-CH ₃ Methyl ethanoate
$\begin{array}{c} \text{O} \\ \\ \text{R}-\text{C}-\text{NH}_2 \end{array}$	Amide	-amide	carboxamido-	CH ₃ -CH ₂ -CONH ₂ Propanamide
R-C≡N	Nitrile	-nitrile (cyanide)	cyano-	CH ₃ -CN Ethanenitrile Methyl cyanide
$\begin{array}{c} \text{O} \\ \\ \text{R}-\text{C}-\text{H} \end{array}$	Aldehyde	-al	formyl- (-CH=O) oxo- (=O)	CH ₃ -CH ₂ -CHO Propanal
$\begin{array}{c} \text{O} \\ \\ \text{R}-\text{C}-\text{R}' \end{array}$	Ketone	-one	oxo-	CH ₃ -CO-CH ₃ Propanone
R-OH	Alcohol	-ol	hydroxi-	CH ₃ -CH ₂ OH Ethanol
R-NH ₂	Amine	-amine	amino-	CH ₃ -CH ₂ -NH ₂ Ethylamine
R-O-R'	Ether	-yl ...yl eter	oxa-	CH ₃ -O-CH ₂ -CH ₃ Ethyl methyl ether
$\begin{array}{c} \diagdown \\ \text{C}=\text{C} \\ \diagup \end{array}$	Alkene	-ene		CH ₃ -CH=CH ₂ Propene
-C≡C-	Alkyne	-yne		CH ₃ -C≡CH Propyne
R-NO ₂	Nitro		nitro-	CH ₃ -CH ₂ -NO ₂ Nitroethane
R-X	Halide		fluoro-, chloro-, bromo-, iodo-	CH ₃ -CH ₂ Br Bromoethane
-R	Radical		yl-	$\begin{array}{c} \text{CH}_3 \\ \\ \text{CH}_3-\text{CH}-\text{CH}_3 \end{array}$ Methyl propane