

ORGANIC CHEMISTRY NOMENCLATURE

Homologous Series	Prefix or Suffix	Functional Group	Example
nitris	<i>-nitrile</i>	$-C \equiv N$	propanentile CH_3CH_2CN
amides	<i>-amide</i>	$\begin{array}{c} O \\ // \\ -C \\ \backslash \\ NH \end{array}$	ethamide CH_3CONH_2
amines	<i>-amino</i>	$-NH$	aminomethane methylamine CH_3NH_2
ketones	<i>-one</i>	$\begin{array}{c} \diagup \\ C = O \\ \diagdown \end{array}$	propanone CH_3COCH_3
aldehydes	<i>-al</i>	$\begin{array}{c} O \\ // \\ -C \\ \backslash \\ H \end{array}$	ethanal CH_3CHO
ethers	<i>alkoxy-</i>	$-OR$	methoxymethane CH_3OCH_3
alcohols	<i>-olhydroxyl-</i>	$-OH$	ethanol or hydroxyethane CH_3CH_2OH
alkenes	<i>-ene</i>	$\begin{array}{c} \diagup \quad \diagdown \\ C = C \\ \diagdown \quad \diagup \end{array}$	ethene C_2H_4
alkanes	<i>-ane</i>	$\begin{array}{c} \diagup \\ C - H \\ \diagdown \end{array}$	ethane C_2H_6