

## Nomenclatura gruppi funzionali

Formula	Gruppo funzionale	Gruppo principale	Gruppo secondario
$\text{R}-\text{C}(=\text{O})\text{OH}$	Acido	Acido -oico	Carbossi-
$\text{R}-\text{S}(=\text{O})_2\text{OH}$	Acido sulfonico	Acido -sulfonico	Sulfo-
$\text{R}-\text{C}(=\text{O})\text{OR}'$	Estere	-il -oato	-ossi-#-osso Es. Acido 5-metossi-5-ossopentanoico
$\text{R}-\text{S}(=\text{O})_2\text{OR}'$	Estere sulfonico	-il -sulfonato	-ossisulfonil-
$\text{R}-\text{C}(=\text{O})\text{NH}_2$	Amide	-amide	Carbossiamido- o carbamoil-
$\text{R}-\text{S}(=\text{O})_2\text{NH}_2$	Amide sulfonica	-sulfonamide	Sulfonamido o -Sulfamoil-
$\text{R}-\text{C}\equiv\text{N}$	Nitrile	-nitrile	Ciano-
$\text{R}-\text{C}(=\text{O})\text{H}$	Aldeide	-ale	Osso- o formil- Es. Acido 5-ossopentanoico e Acido 3-formilpentanoico
$\text{R}-\text{C}(=\text{S})\text{H}$	Tioaldeide	-tiale	Tiosso- o tioformil-
$\text{R}-\text{C}(=\text{O})\text{R}'$	Chetone	-one	Osso-
$\text{R}-\text{C}(=\text{S})\text{R}'$	Tiochetone	-tione	Tiosso-
$\text{R}-\text{O}-\text{H}$	Alcol	-olo	Idrossi-
$\text{R}-\text{S}-\text{H}$	Mercaptani o tioli	-tiolo	Mercapto-

$R-NH_2$	Ammina	-ammina	Ammino-
$R-O-R'$	Etere	-il...iletere	-ossi- Es. Metossi, Isopropossi, ...
$R-S-R'$	Tioetere	-il...iltioetere	-iltio-
$\begin{array}{c} \diagup \\ C=C \\ \diagdown \end{array}$	Alcheni	-ene	-en-
$-C\equiv C-$	Alchini	-ino	-in-
$R-NO_2$	Nitro		Nitro-
$R-X$	Alogenuri		fluoro-, cloro-, bromo-, iodo-
$-R$	Alcani	Nomenclatura generale	il-

### Nomenclatura frammenti più comuni

<b>R</b>	alkyl		<b>t-Bu</b>	tert-butyl	
<b>Me</b>	methyl		<b>Ar</b>	aryl	any aromatic ring
<b>Et</b>	ethyl		<b>Ph</b>	phenyl	
<b>Pr (or n-Pr)</b>	propyl		<b>Bn</b>	benzyl	
<b>Bu (or n-Bu)</b>	butyl		<b>Ac</b>	acetyl	
<b>iPr</b>	isopropyl			vinyl	
<b>iBu</b>	isobutyl			allyl	
<b>s-Bu</b>	sec-butyl		<b>X</b>	halide	<b>F, Cl, Br, or I</b>