

Functional Groups

Name	Naming Rule	General Formula	Side Group Name
Alcohols	_____ol	R-OH	Hydroxyl
Ethers	_____oxy _____	R-O-R	\
Ketones	_____one	R-CO-R	\
Aldehydes	_____al	R-COH	\
Acids	_____oic acid	R-COOH	\
Esters	_____yl _____oate	R-COO-R	\
Amides	_____amide	R-CONH ₂	\
Nitriles	_____nitrile	R-CN	Cyano

Side Groups/Substitutes

Name	General Formula	Side Group/ Substitute Name
Alkane Series	C _n H _{2n+2}	_____yl
Alkene Series	C _n H _{2n}	_____yl
Alkyne Series	C _n H _{2n-2}	_____yl
Cycloalkane Series	C _n H _{2n}	cyclo_____yl
Cycloalkene Series	C _n H _{2n-2}	cyclo_____yl
Cycloalkyne Series	C _n H _{2n-4}	cyclo_____yl
Halogens	\	I: iodo, Br: bromo, F: fluoro, Cl: chloro
Amino Group	NH ₂	amino
Nitrate Group	NO ₂	nitro