

Názvosloví hydroxysloučenin

Nahrazení vodíku –OH skupinou:

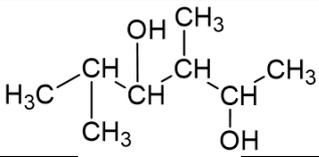
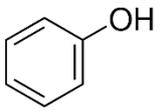
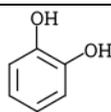
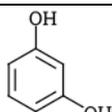
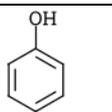
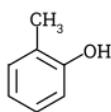
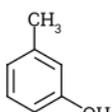
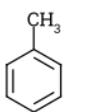
- Fenoly=aromatické jádro
- Alkoholy=ostatní

přípona – ol

Při větším počtu –OH skupina → číselkové předpony *di–, tri –...*

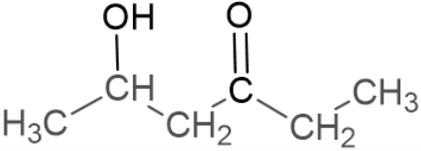
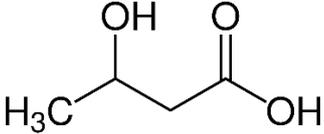
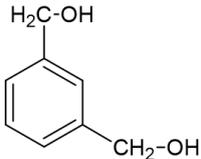
–OH skupina má v číslování přednost před halogeny i násobnými vazbami:

Structure	Classification	Suffix Name	Substituent Name
<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 5px;">higher priority</div> <div style="text-align: center;"> $\text{R}-\overset{\text{O}}{\parallel}{\text{C}}-\text{OH}$ </div> </div>	Carboxylic acid	-oic acid	carboxy-
<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 5px;">↑</div> <div style="text-align: center;"> $\text{R}-\overset{\text{O}}{\parallel}{\text{C}}-\text{OR}'$ </div> </div>	Ester	-oate	alkoxycarbonyl-
<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 5px;">↑</div> <div style="text-align: center;"> $\text{R}-\overset{\text{O}}{\parallel}{\text{C}}-\text{NH}_2$ </div> </div>	Amide	-amide	amido-
<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 5px;">↑</div> <div style="text-align: center;"> $\text{R}-\text{C}\equiv\text{N}$ </div> </div>	Nitrile	-nitrile	cyano-
<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 5px;">↑</div> <div style="text-align: center;"> $\text{R}-\overset{\text{O}}{\parallel}{\text{C}}-\text{H}$ </div> </div>	Aldehyde	-al	formyl-
<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 5px;">↑</div> <div style="text-align: center;"> $\text{R}-\overset{\text{O}}{\parallel}{\text{C}}-\text{R}_1$ </div> </div>	Ketone	-one	oxo-
<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 5px;">↑</div> <div style="text-align: center;"> $\text{R}-\text{OH}$ </div> </div>	Alcohol	-ol	hydroxy-
<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 5px;">↑</div> <div style="text-align: center;"> $\text{R}-\text{NH}_2$ </div> </div>	Amine	-amine	amino-
<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 5px;">↑</div> <div style="text-align: center;"> $\text{R}_2\text{C}=\text{CR}_2$ </div> </div>	Alkene	-ene	alken-
<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 5px;">↑</div> <div style="text-align: center;"> $\text{RC}\equiv\text{CR}$ </div> </div>	Alkyne	-yne	alkyn-
<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 5px;">↑</div> <div style="text-align: center;"> R </div> </div>	Alkane*	-ane	alkyl-
<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 5px;">↑</div> <div style="text-align: center;"> $\text{R}-\text{O}-\text{R}_1$ </div> </div>	Ether*	---	alkoxy-
<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px; margin-right: 5px;">lower priority</div> <div style="text-align: center;"> $\text{R}-\text{X}$ </div> </div>	Alkyl halide*	---	halo-

<chem>CH3CH2OH</chem>	Ethanol
	3,5-dimethylhexan-2,4-diol
	Fenol
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  pyrokatechol </div> <div style="text-align: center;">  resorcinol </div> <div style="text-align: center;">  hydrochinon </div> </div>	<ul style="list-style-type: none"> Pyrokatechol= benzen-1,2-diol Resorcinol= benzen-1,3-diol Hydrochinon= benzen-1,4-diol
<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  o-kresol </div> <div style="text-align: center;">  m-kresol </div> <div style="text-align: center;">  p-kresol </div> </div>	<ul style="list-style-type: none"> o-kresol= 2-methylbenzen-1-ol m-kresol= 3-methylbenzen-1-ol p-kresol= 4-methylbenzen-1-ol

předpona – hydroxy

- a) Pokud je ve sloučenině nadřazená skupina (např. –CHO nebo –COOH)
b) Pokud je –OH skupina v postranním řetězci

 <chem>CC(=O)CC(O)CC</chem>	5-hydroxyhexan-3-on
 <chem>CC(O)CC(=O)O</chem>	3-hydroxybutanová kyselina
 <chem>OCc1cccc(CO)c1</chem>	1,3-bis(hydroxymethyl)benzen