



CHEMISTRY

CARBOXYLIC ACIDS

The functional group in a carboxylic acid is the **carboxyl** group. The carboxyl group consists of a *carbon double bonded to a oxygen and also bonded to a hydroxyl group*.



Naming Carboxylic Acids

The name of a carboxylic acid has three parts. The first part tells you the number of atoms in the longest carbon chain. The second part tells you if there are any double or triple bonds, and the last syllable ends in "**-oic acid**".

Ex:

propanoic acid

2,3-diethylhexanoic acid

4-hydroxy-2,3-octadienoic acid

**CHEMISTRY****CARBOXYLIC ACIDS**

Name	Structure
2-butanol	
3-methyl hexanoic acid	
3,3-dimethylpentanoic acid	
3,4-heptandiol	
Ethanol	
1-butanol	
1-propanol	
2-hexanol	
2-ethyl-3-methylbutanoic acid	