

Naming Carboxylic Acids

Organic acids contain a *carboxyl group* plus an hydroxy group (COOH) as its functional group.

Rule 1:

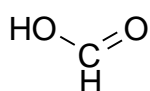
The longest continuous chain containing the carboxyl group is considered to be the parent compound

Rule 2:

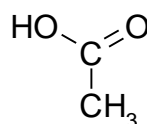
The carboxyl carbon is part of the parent chain and is always considered to be in the number 1 position

Rule 3:

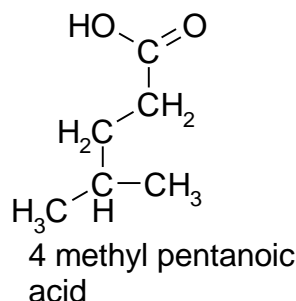
The suffix “-oic acid” is added to the parent compound



methanoic acid

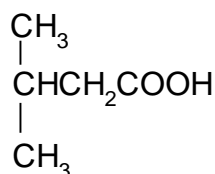
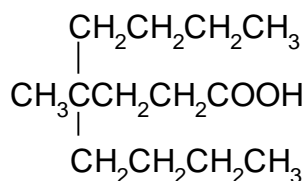
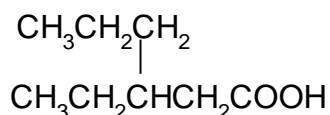
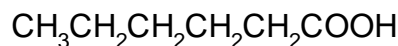
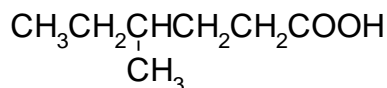


ethanoic acid



Activity:

Name the carboxylic acids below



Activity:

Draw the following structures
butanoic acid

3-methyl butanoic acid

2,4,dimethyl butanoic acid

3,3dimethyl pentanoic acid