

Carboxylic Acid Derivatives

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Carboxylic Acid Derivatives

These are prepared by replacement of the hydroxyl group with other substituents. An ester is an example of a carboxylic acid derivative with O-H being replaced by O-R.

Acyl Halides

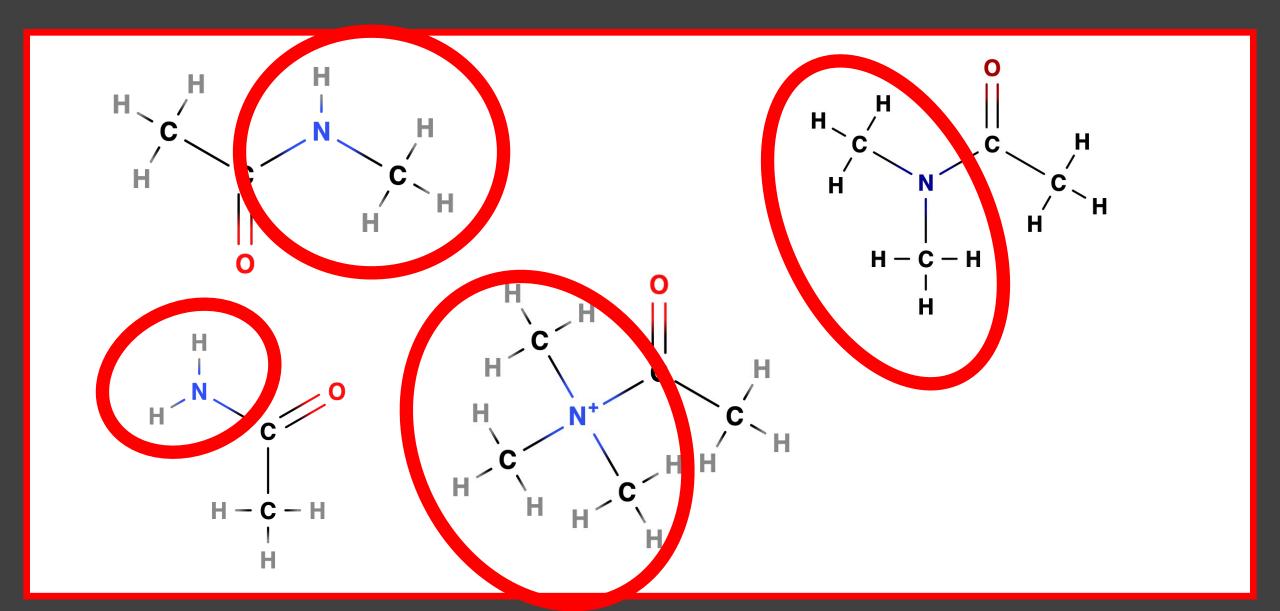
O-H replaced by a halogen

Acyl Halides

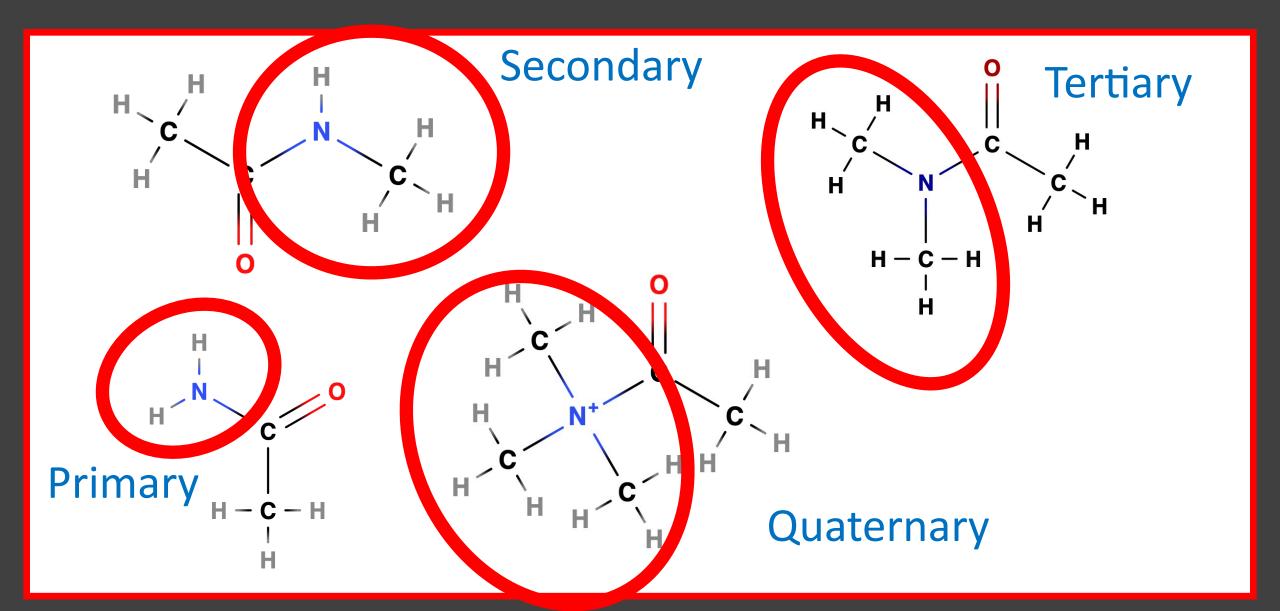
Ethanoyl chloride

Amides (OH replaced by NH₂, NHR, NR₂ or NR₃⁺)

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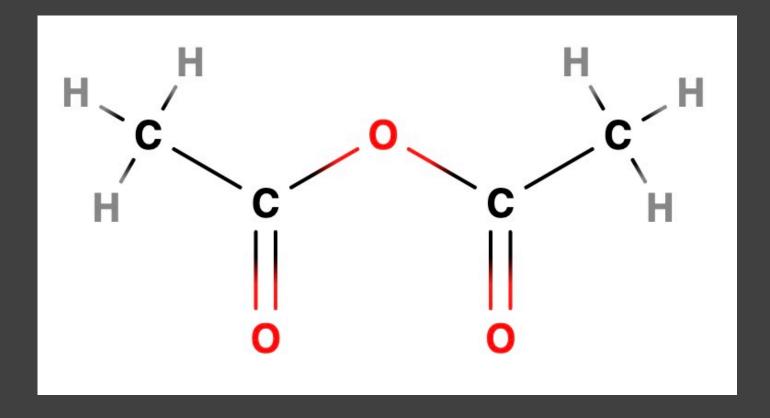


Amides (OH replaced by NH₂, NHR, NR₂ or NR₃⁺)



Acid Anhydrides

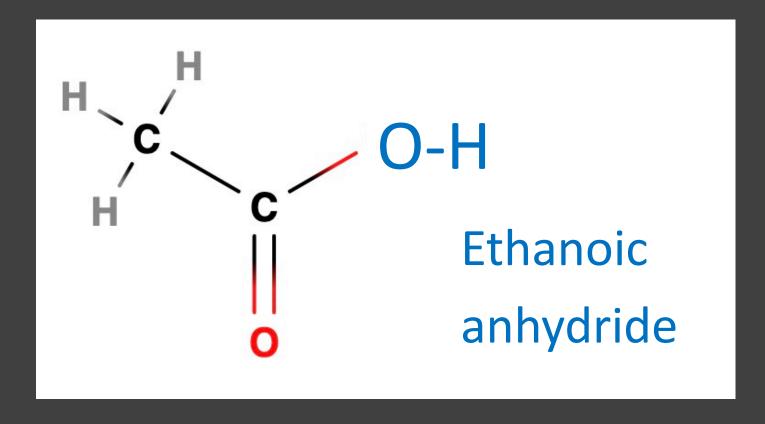
O-H replaced by a -OCOR



These are usually symmetrical and are named from the parent acid

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