

Functional group	Structure	Name ending
Carboxylic acid	$\begin{array}{c} \text{O} \\ \parallel \\ \text{R}-\text{C}-\text{OH} \end{array}$	-ic acid (-carboxylic acid)
Acid halide	$\begin{array}{c} \text{O} \\ \parallel \\ \text{R}-\text{C}-\text{X} \end{array}$	-oyl halide (-carbonyl halide)
Acid anhydride	$\begin{array}{c} \text{O} \qquad \text{O} \\ \parallel \quad \parallel \\ \text{R}-\text{C}-\text{O}-\text{C}-\text{R}' \end{array}$	anhydride
Amide	$\begin{array}{c} \text{O} \\ \parallel \\ \text{R}-\text{C}-\text{NH}_2 \text{ (NHR, NR}_2\text{)} \end{array}$	-amide (-carboxamide)
Ester	$\begin{array}{c} \text{O} \\ \parallel \\ \text{R}-\text{C}-\text{OR}' \end{array}$	-oate (-carboxylate)
Thioester	$\begin{array}{c} \text{O} \\ \parallel \\ \text{R}-\text{C}-\text{SR}' \end{array}$	-thioate (-carbothioate)
Acyl phosphate	$\begin{array}{c} \text{O} \qquad \text{O} \\ \parallel \quad \parallel \\ \text{R}-\text{C}-\text{O}-\text{P}-\text{O}^- \text{ (OR}^+\text{)} \\ \quad \quad   \\ \quad \quad \text{O}^- \end{array}$	-oyl phosphate