

**β -Substituted
aldehydes,
nitriles, ketones,
or esters**

**α,β -Unsaturated, nitriles,
ketones, or esters**

β -Keto esters

α,β -Unsaturated aldehydes

Acid Chlorides

β -Hydroxy aldehydes

Aldehydes

Ketones

Carboxylic esters

β -Ketoaldehyde

β -Diketone

Carboxylic acids

Substituted aldehyde

Substituted ketone

β -Diester