

Chem dex app

The key to effortless functional group conversion in organic synthesis



Simplifying the pathway from alcohols to aldehydes and vice versa

Thermo Fisher Scientific is committed to empowering researchers with a comprehensive range of chemicals essential for organic synthesis. Our team offers guidance at every stage of your synthesis journey. With the chem dex app, you can effortlessly access the right products and advice to transform functional groups and achieve your synthesis objectives with ease.



Working with alcohols or phenols?

Need to synthesize aldehydes or ketones?

Click the preferred oxidation to view products

Aldehydes or ketones

[Swern oxidation](#)

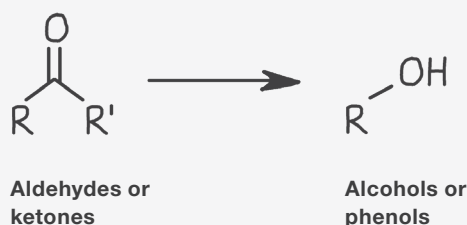
Oxalyl chloride as reagent and more

[Dess Martin oxidation](#)

Dess-martin periodinane as reagent and more

[Ley Griffith oxidation](#)

4-methylmorpholine n-oxide hydrate as reagent and more



Interested in a retrosynthesis approach?

Need to synthesize alcohols or phenols?

Click the preferred reaction to view products

Alcohols or phenols

[Grignards reaction](#)

Methylmagnesium bromide as reagent and more

[Reduction reaction](#)

Sodium borohydride as reagent and more

[Reduction reaction](#)

Methyl-CBS-oxazaborolidine as catalyst and more



Explore the additional resources available to assist you in your research on functional groups

- Start your own chemical research adventure using chem dex to find the right chemicals for your needs [here](#)
- Access history, reaction mechanisms, applications of the reactions, relevant product links, and quiz questions in the eBook [here](#)

- Watch the chem dex video to learn more [here](#)



Learn more at thermofisher.com/chemdex

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