



The Ozone Module

Your Compact and Powerful Ozone Generator is Here!



- Continuous 14% Ozone production
- Compatible with batch or flow reactors
- Precise control of oxygen flow rate
- Small footprint



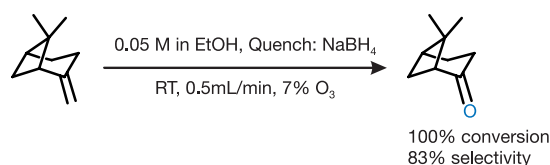
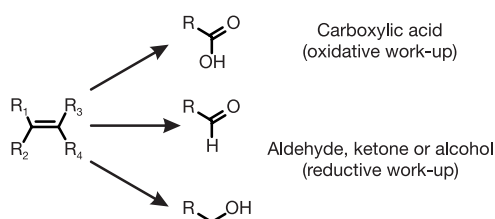
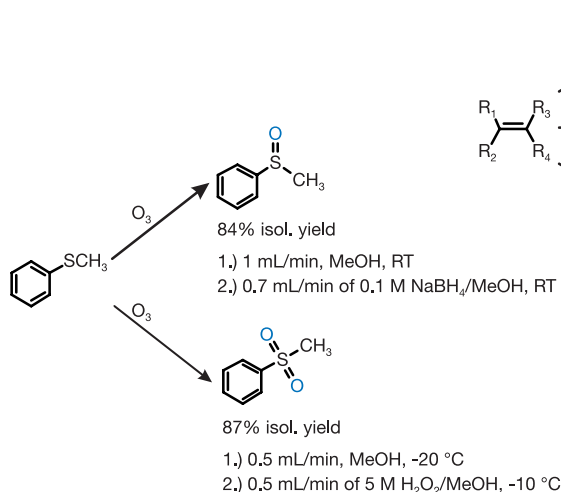
Ozonolysis has many advantages over other oxidative methods for generating aldehydes, alcohols and carboxylic acids. Ozonolysis is fast, atom efficient, and progresses cleanly in high conversion and yield. Other methods use toxic reagents, generate heavy metal waste, require water and are difficult to control leading to generation of side products.

ThalesNano's Ozone Module gives you a safe and efficient way of generating ozone from oxygen with precise control of the ozone/oxygen amount through the built-in mass flow controller. You only need to connect the Ozone Module to a low pressure oxygen cylinder and the other gas end to your cooled reaction area to make ozonolysis a flexible and easy method in either batch or flow.

Specification

Oxygen flow rate:	10-100 mL/min
Maximum oxygen inlet pressure:	8 bar
O ₃ /O ₂ v/v%:	14% at 20 mL/min oxygen flow rate
Maximum reaction pressure:	3 bar
Width:	451 mm
Height:	223 mm
Depth:	291.3 mm

Reaction examples



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