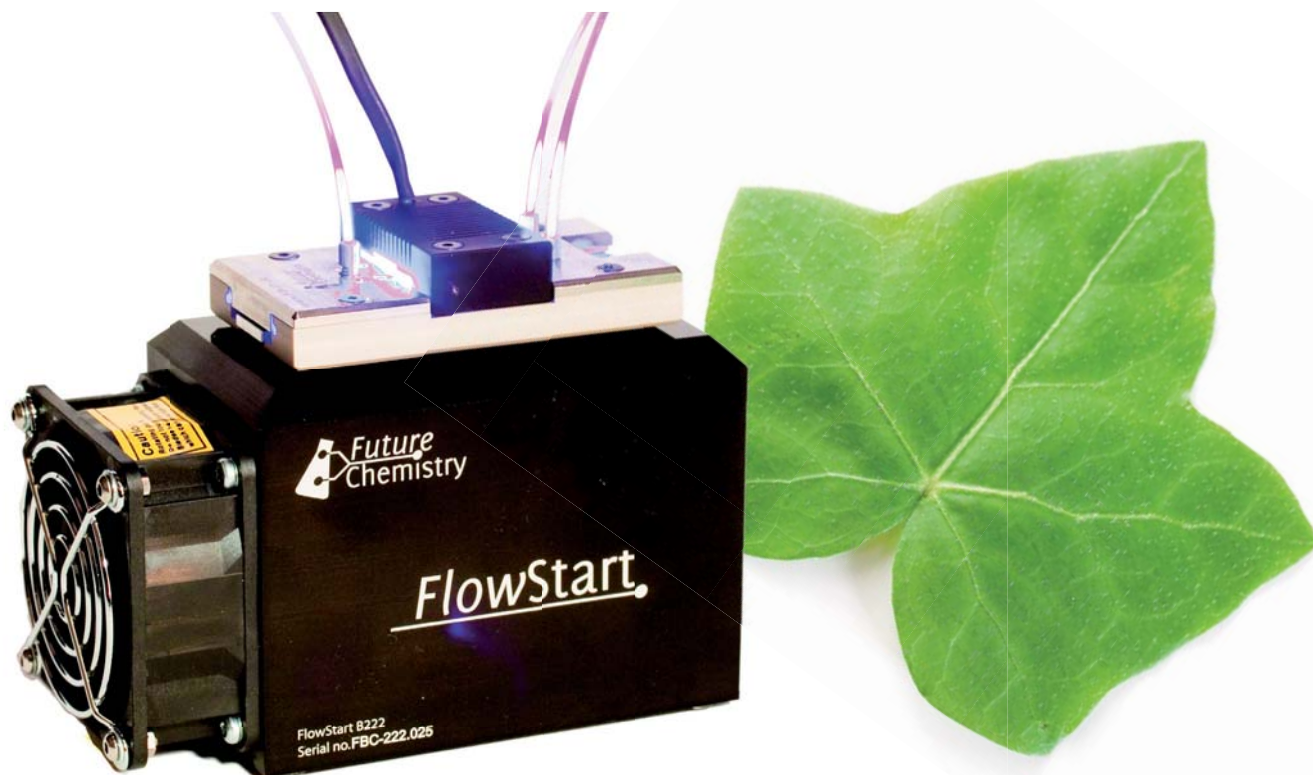


## Smart, safe and clean chemistry

# Photochemistry Module



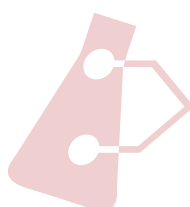
## Features

This FlowStart add-on module allows you to combine photochemistry with the benefits that flow chemistry offer.

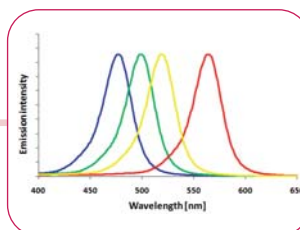
Advanced chemistry in a very mild and clean way, which immensely decreases the reaction time on photochemistry reactions and leads to highly pure products.

- Easy to operate and use
- Intensity is adjustable
- Several emission wavelengths available
- Energy efficient through latest LED technology
- Compatible with all FlowStart and FlowScreen products

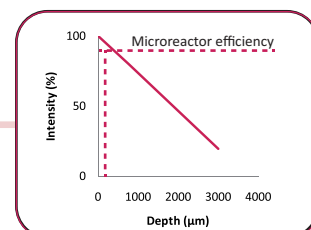
## Give your photochemistry a head start!



Microreactor



Emission spectra



Microreactor ensures efficient irradiation

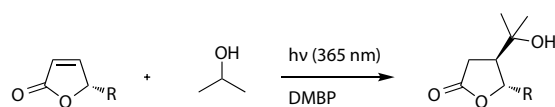
# Photochemistry Module

## Example photochemical reactions

The benefits of photochemistry in microreactors have been proven in many cases. To the right, two examples are given.

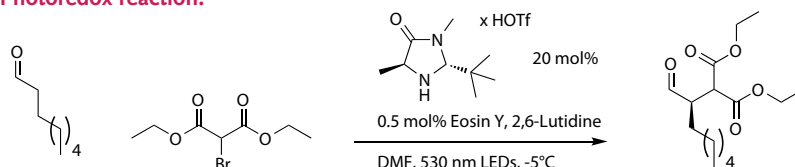
For more examples, FutureChemistry will be happy to refer you to scientific publication data.

### Isopropanol addition:

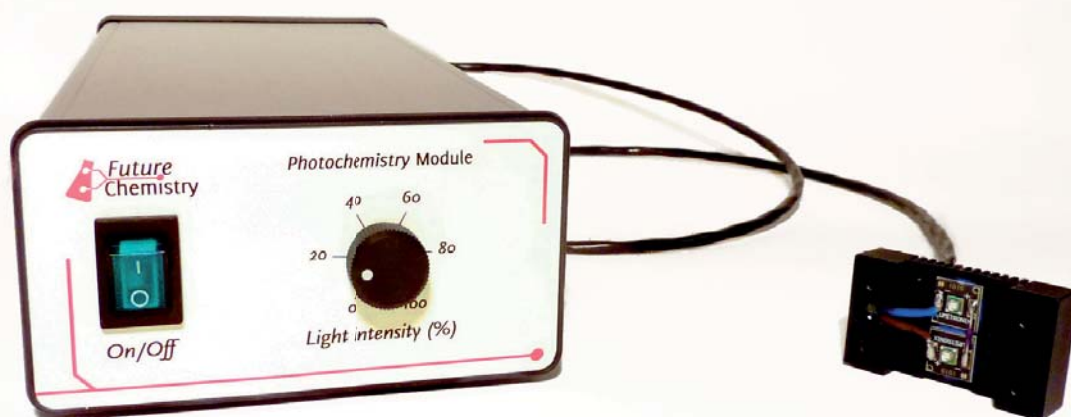


O. Shvydkiv et al., *Photochem. Photobiol. Sci.*, **2010**, 9, 1601-1603

### Photoredox reaction:



M. Neumann, K. Zeitler, *CATAFLU.OR Bologna poster presentation*, **2011**

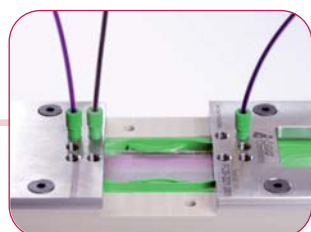


[www.futurechemistry.com/photochemistry](http://www.futurechemistry.com/photochemistry)  
or call +31 (0) 24 711 4029

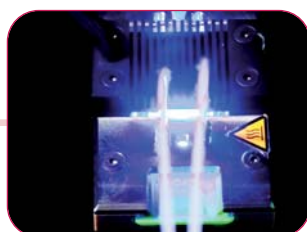
## Specifications:

Light color:	Ultraviolet	Blue	Compatible with:	FlowStart, FlowStart Evo, FlowScreen
Emission wavelength (nm):	365	470	AC power:	220/240 V or 100/110 V (50/60 Hz)
Radiant flux (W):	0.32	2.0		
Photon rate ( $\mu\text{mol}/\text{min}$ ):	60	470		

## Easy set-up:



**Step 1:**  
Install microreactor



**Step 2:**  
Photochemistry module



**Step 3:**  
Set irradiation power