

## Supplementary Material

### Continuous flow photochemical synthesis of 3-methyl-4-arylmethylene isoxazole-5(4H)-ones by Organic Photoredox Catalysis and investigation of their larvicidal activity.

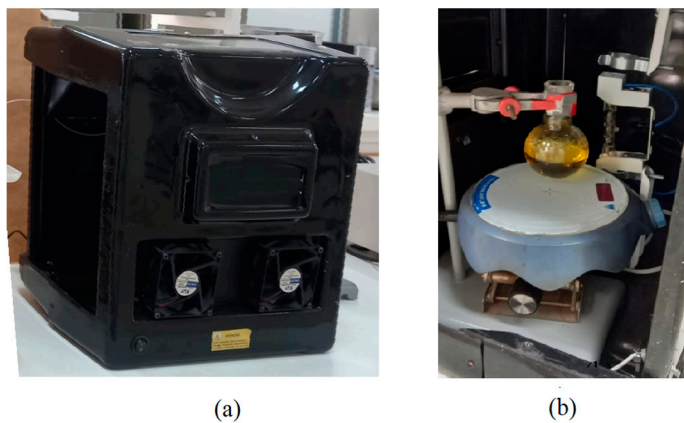
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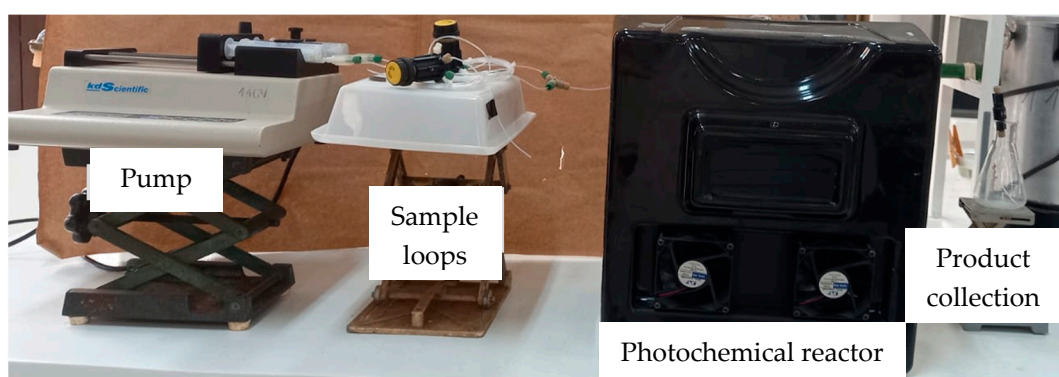
### Experimental set-up



**Figure S1.** Light sources - (1) 150 W Halogen Lamp. (2) 6W UV-vis Lamp. (3) 30W High Intensity White LED Lamp. (4) 12W Blue LED Lamp.



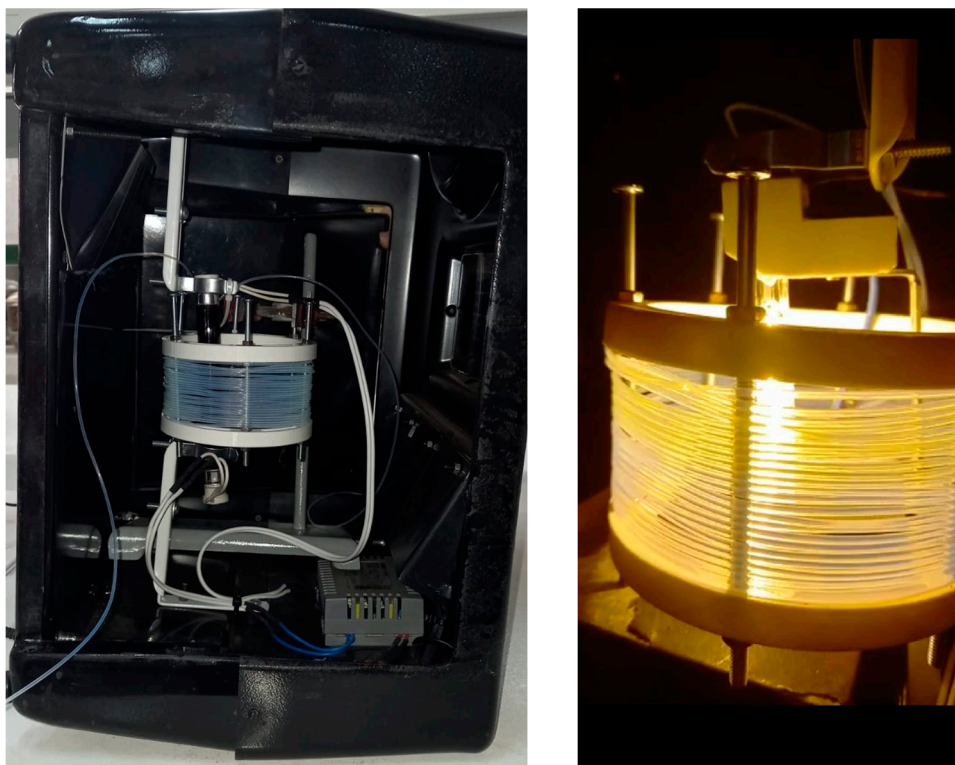
**Figure S2.** Photochemical chamber (a) external view and (b) view of the internal arrangement.



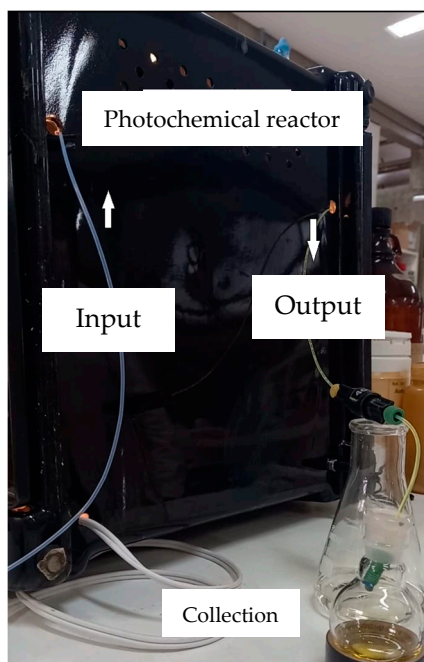
**Figure S3.** Continuous flow set-up.



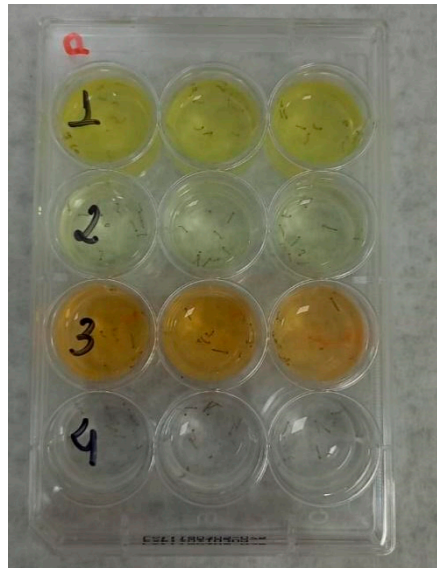
**Figure S4.** FEP photochemical reactor.



**Figure S5.** Continuous flow reactor - Left: reactor containing only solvent. Right: reactor during product **3a** synthesis.



**Figure S6.** Input and output of the photochemical reactor during the synthesis of **3a**.



(a)



(b)

Larvicidal test on (a) a kesvi plate and (b) cups.

# Spectral Data

