

Supplementary Information (SI)

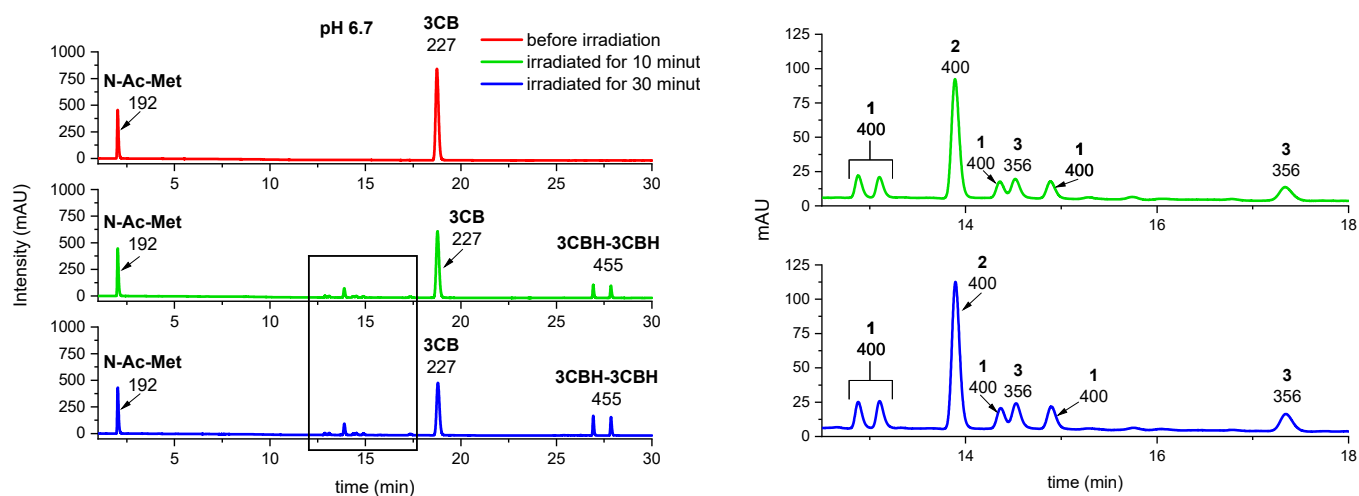


Figure S1. HPLC chromatograms of aqueous solutions containing: N-Ac-Met (20 mM) and 3CB (4.5 mM) at pH 6.7 before irradiation (top panel, red), after 10-minute irradiation (middle panel, green) and after 30-minute irradiation (bottom panel, blue). The expansion of the chromatograms after irradiation between 12 and 18 minutes is shown next to the chromatograms. Peaks are labelled with m/z of the $[M+H]^+$ or $[M+H-H_2O]^+$ ions of the acquired MS spectrum.

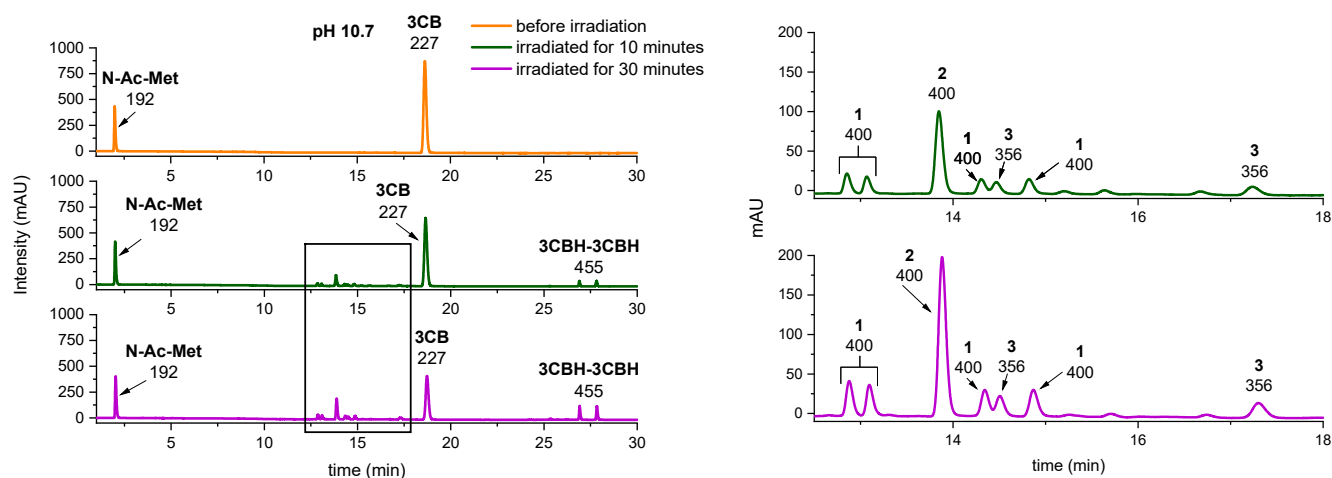


Figure S2. HPLC chromatograms of aqueous solutions containing: N-Ac-Met (20 mM) and 3CB (4.5 mM) at pH 10.7 before irradiation (top panel, orange), after 10-minute irradiation (middle panel, dark green) and after 30-minute irradiation (bottom panel, purple). The expansion of the chromatograms after irradiation between 12 and 18 minutes is shown next to the chromatograms. Peaks are labelled with m/z of the $[M+H]^+$ or $[M+H-H_2O]^+$ ions of the acquired MS spectrum.

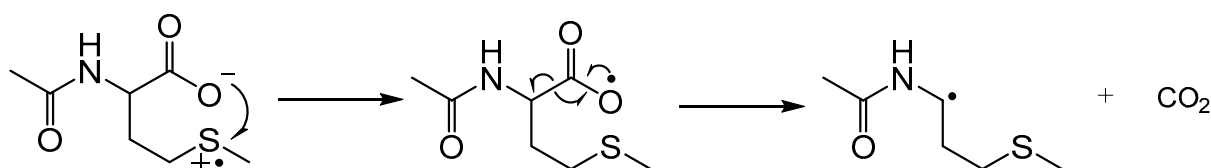


Figure S3. The mechanism of the pseudo-Kolbe reaction.

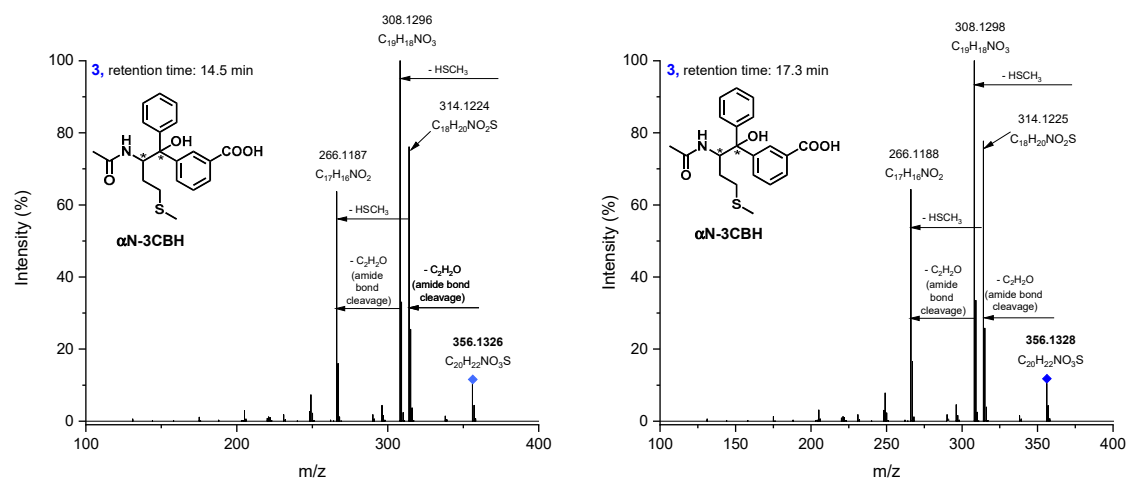


Figure S4. MSMS spectra of photoproducts **3** at retention time 14.5 and 17.3 min.