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Supplementary material

Recalcitrant pharmaceuticals in the aquatic environment: a comparative screening study of their occurrence, formation of phototransformation products and their in vitro toxicity

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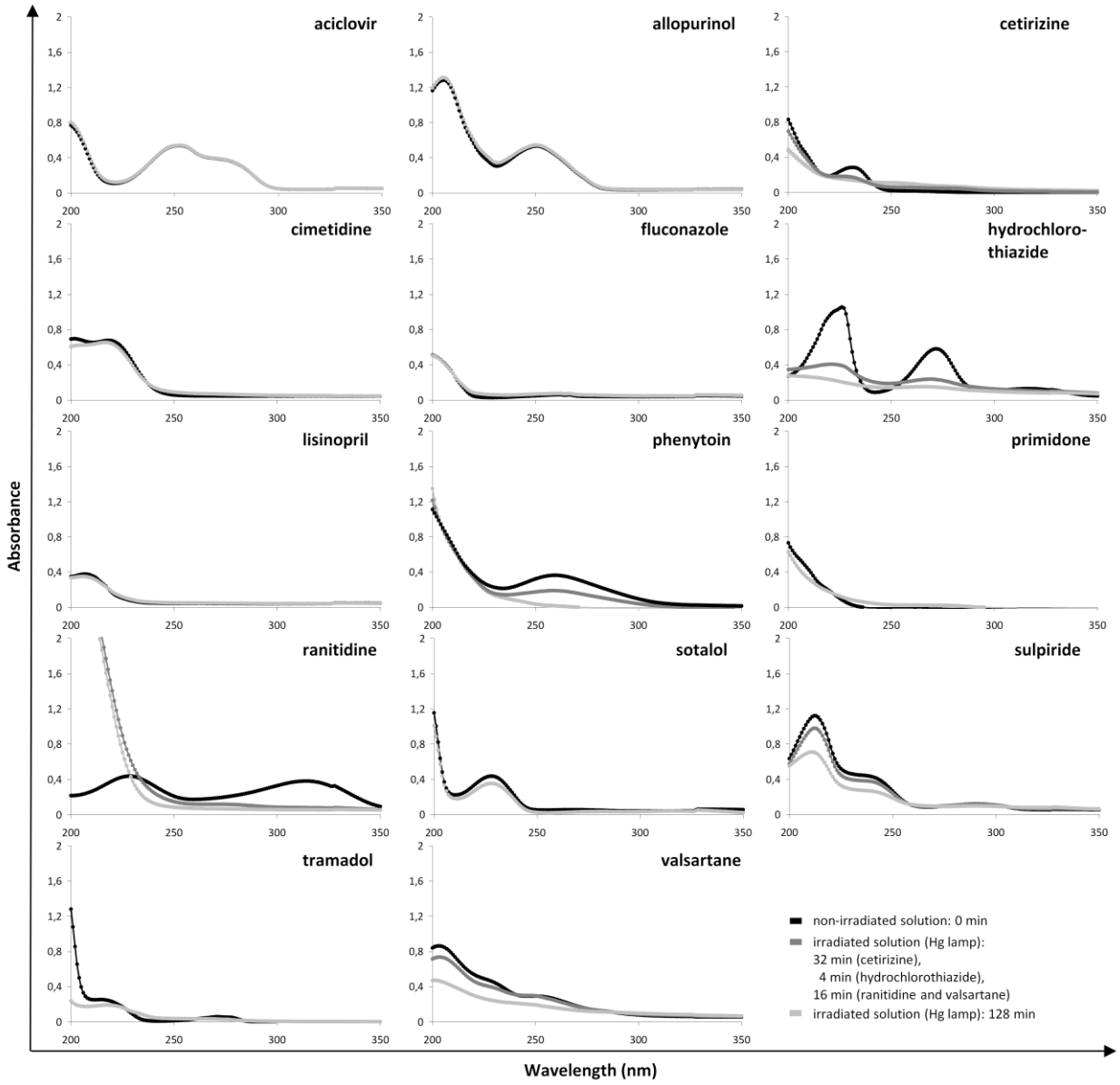

Fig. S1. Absorbance spectra (200–350 nm) of all non-irradiated (black) and irradiated samples (light grey: 128 min; dark grey: 16 min) when using an Hg lamp. Results of ranitidine and tramadol are from Bergheim et al.[1]

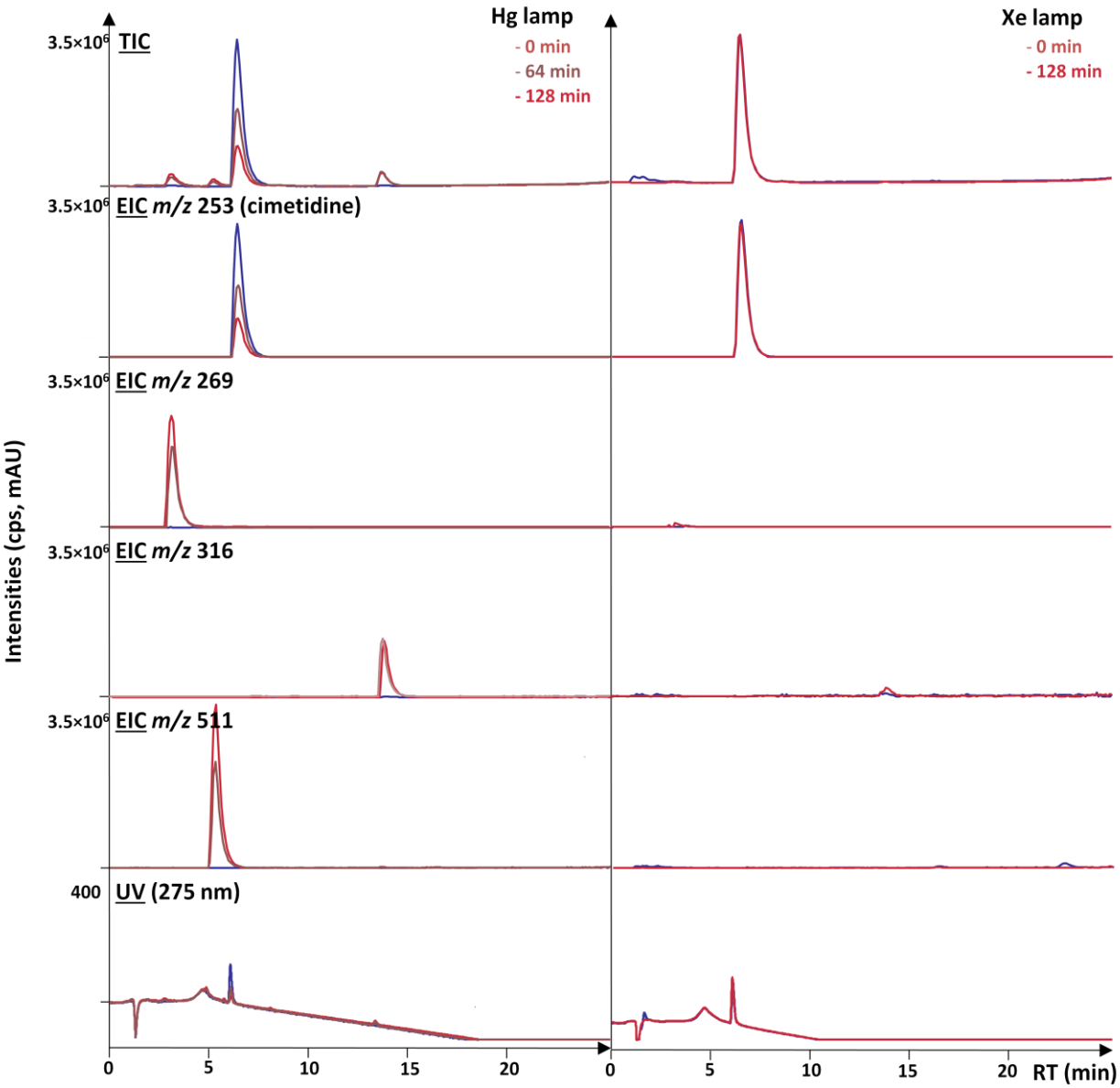

Fig. S2. Total ion chromatograms (TICs), extracted ion chromatograms (EICs) (*m/z* 253, 269, 316 and 511) and UV spectra (275 nm) of cimetidine from test samples at 0, 64 and 128 min irradiation with a Hg lamp (left) and a Xe lamp (right).

Reference

[1] M. Bergheim, R. Gieré, K. Kümmerer, Biodegradability and ecotoxicity of tramadol, ranitidine, and their photoderivatives in the aquatic environment. *Environ. Sci. Pollut. R.* **2012**, *19*, 72. doi:10.1007/s11356-011-0536-y