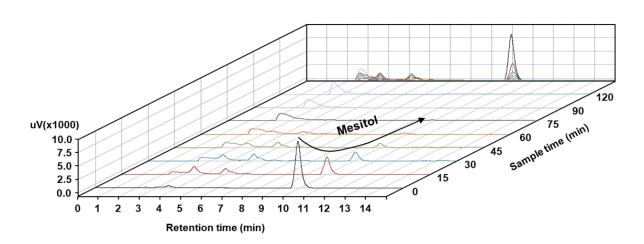
## SUPPORTING INFORMATION

## Double benefit of electrochemical techniques: treatment and electroanalysis for remediation of water polluted with organic compounds

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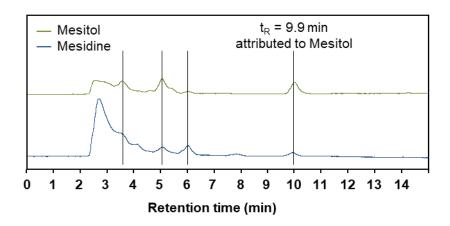
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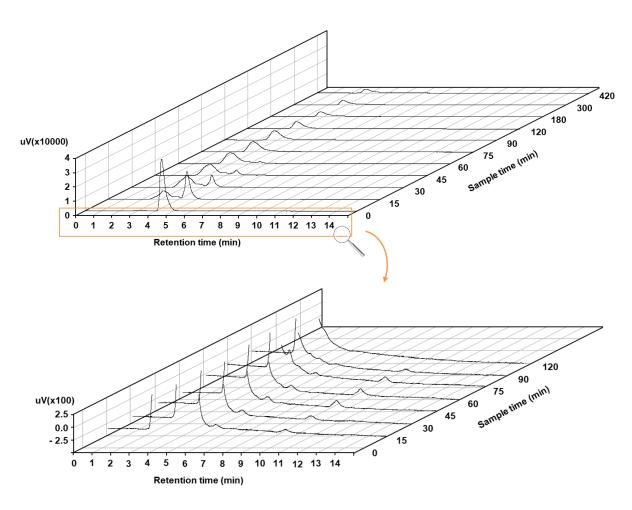
**Fig. S1** HPLC measurements during the HEF treatment of Mesitol (retention time of Mesitol: 9.9 min)

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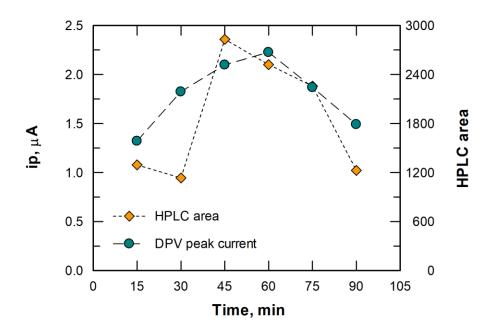
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**Fig. S2** Comparison of HPLC chromatograms measured after 45 mins of HEF treatment of Mesitol and Mesidine (green and blue chromatograms respectively).



**Fig. S3** HPLC measurements during the HEF treatment of [IMes.HCl] (retention time of 4.7 min), with a detail to observe the formation of Mesitol (peak at a retention time of 9.6 min).



**Fig. S4** Mesitol detection during the HEF treatment of [IMes.HCl], measured in terms of peak current by DPV and peak area by HPLC.