Supporting Information

Subtle Changes in Lipid Environment Have Profound Effects on Membrane Oxidation Chemistry

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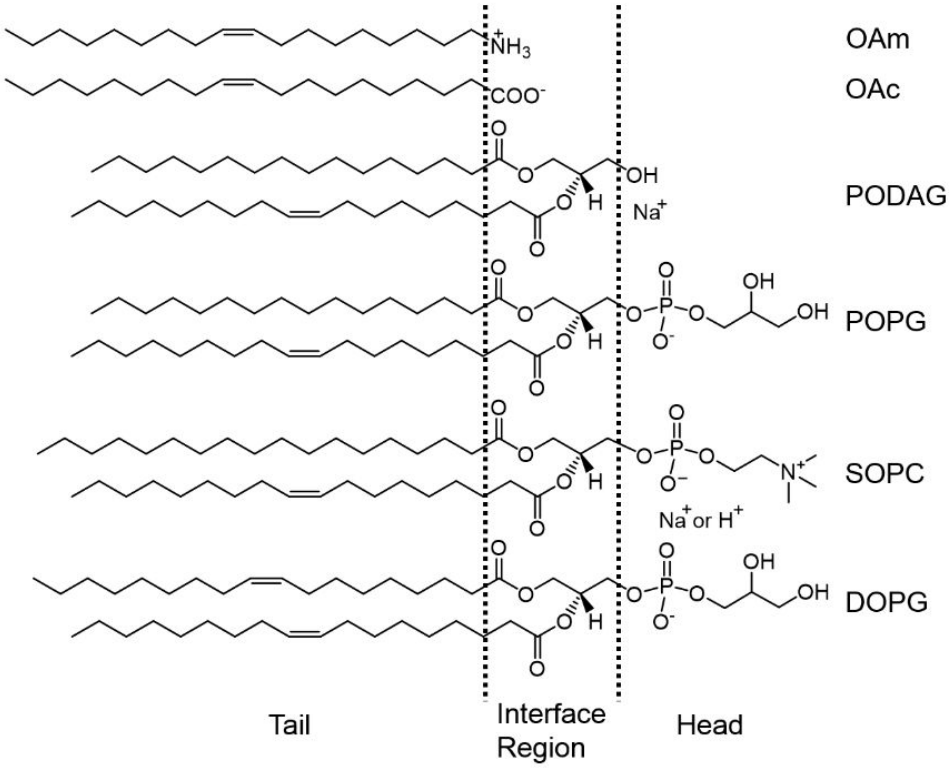

Figure S1. Structures of the six molecules studied in this work and their relative positions at the air-water interface.

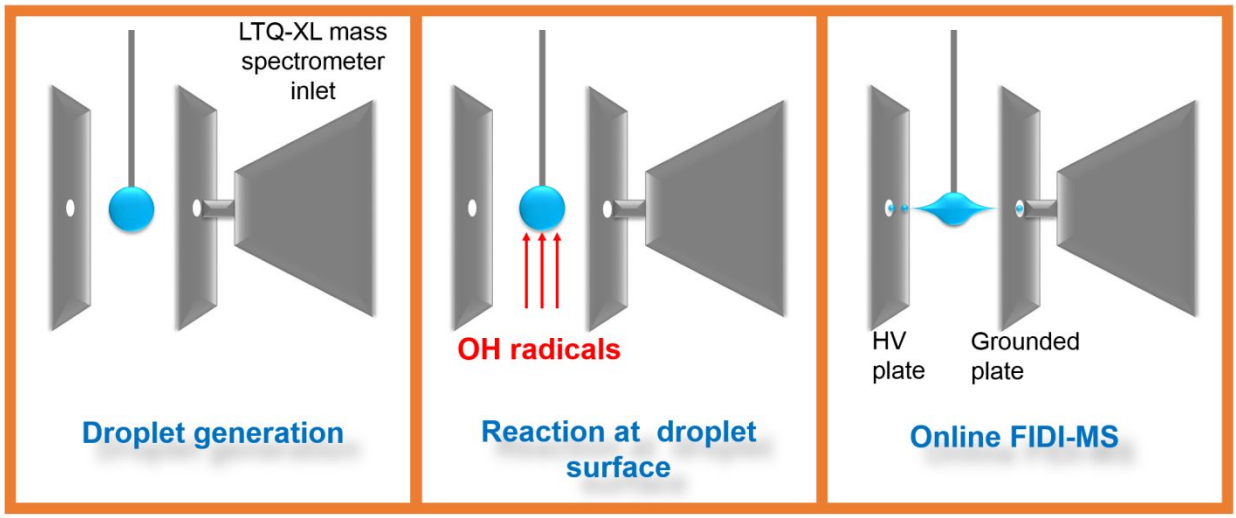

Figure S2. Schematics of the FIDI-MS setup.

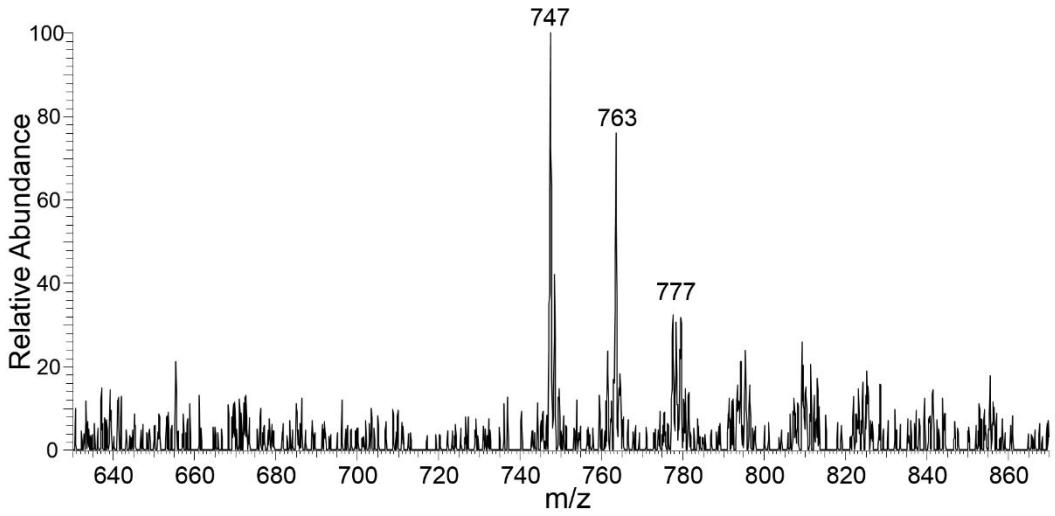

Figure S3. FIDI-MS spectrum of OH oxidation of 1 μM POPG solution for 60 s, where only addition chemistry is observed.