

Analyst

Electronic Supplementary Material

Hydride abstraction in positive-ion electrospray interface: oxidation of 1,4-dihydropyridines in electrospray ionization mass spectrometry

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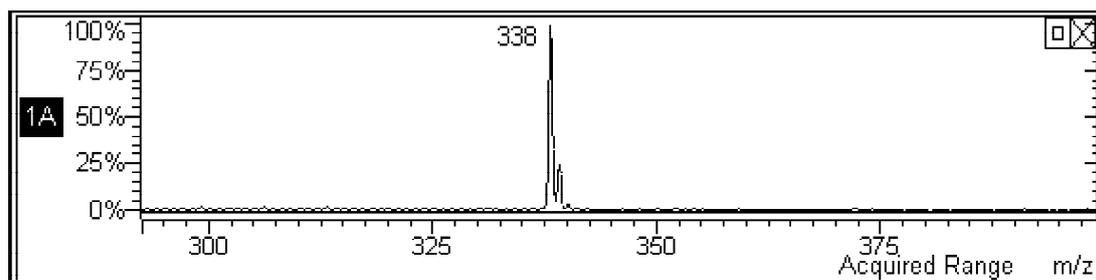


Figure S1. Full-scan APCI-IT mass spectrum of compound **1**.

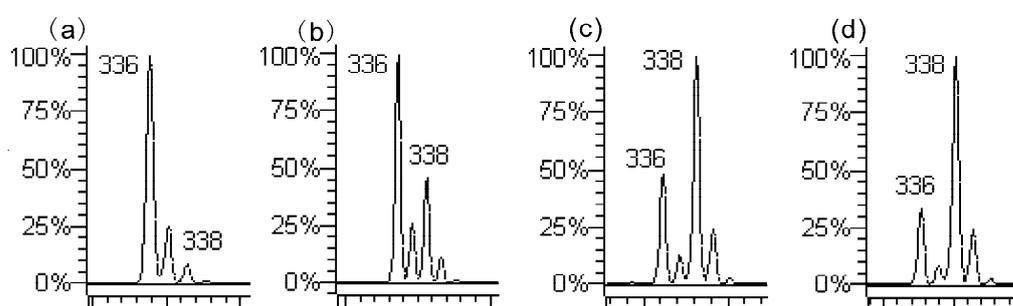


Figure S2. Full-scan ESI-IT mass spectra of compound **1** with the solvent as (a) CH_3CN , (b) CH_3OH , (c) $\text{CH}_3\text{CN-H}_2\text{O}$ (1: 1, v/v), (d) $\text{CH}_3\text{OH-H}_2\text{O}$ (1: 1, v/v).

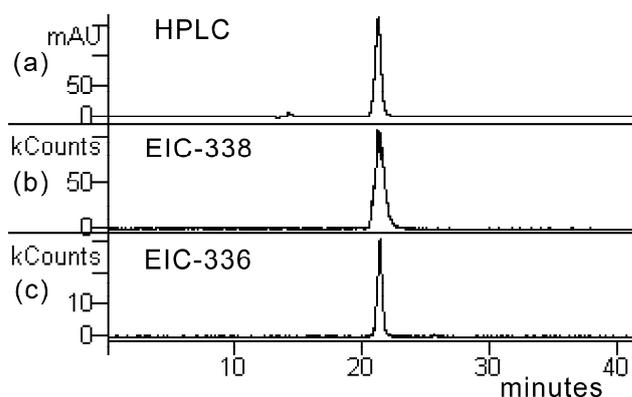


Figure S3. HPLC chromatogram (a) and EIC chromatograms of ions at m/z 338 (b) and m/z 336 (c) of compound **1** determined by HPLC-MS method.

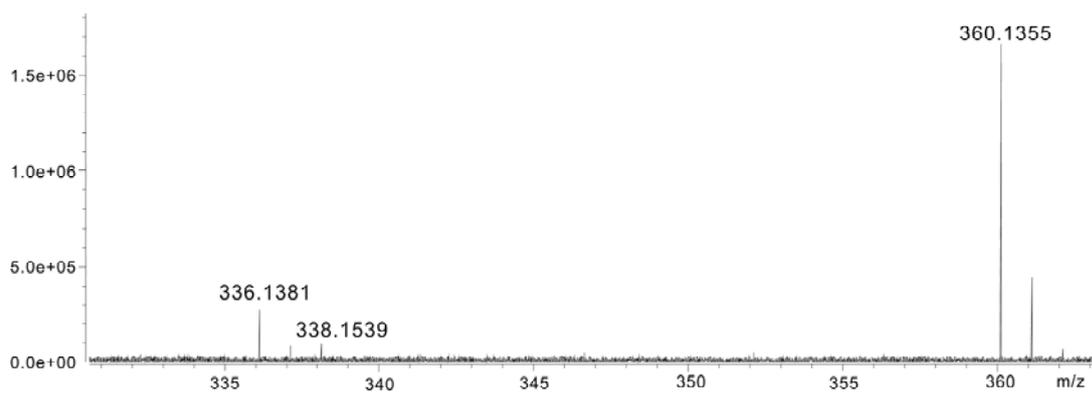


Figure S4. Full-scan ESI-FTICR mass spectrum of compound **1**.

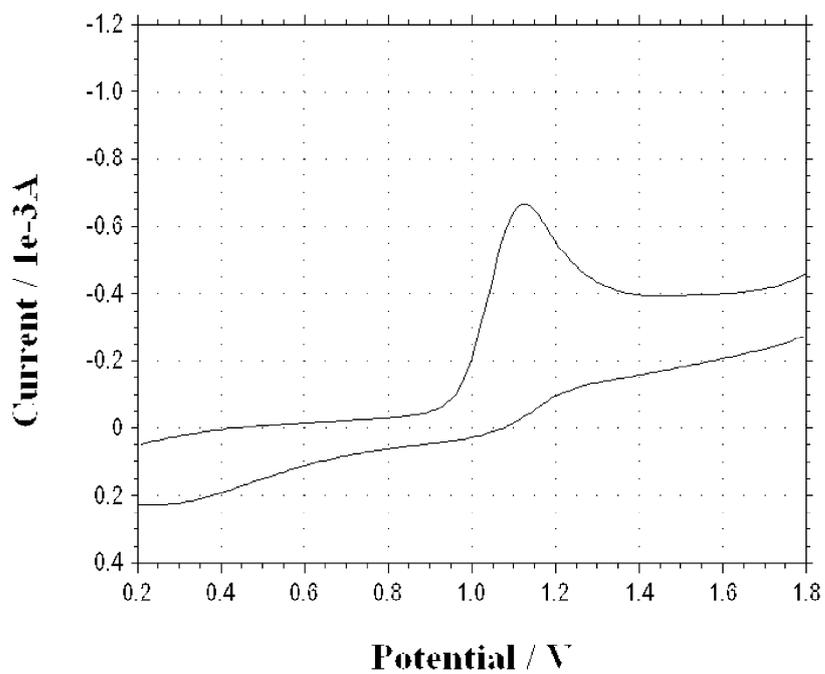


Figure S5. Cyclic voltammogram (scan rate 0.1 V s⁻¹) of compound **1** (1 mmol L⁻¹) obtained in acetonitrile using 0.1 M (TBA)PF₆ as the supporting electrolyte.

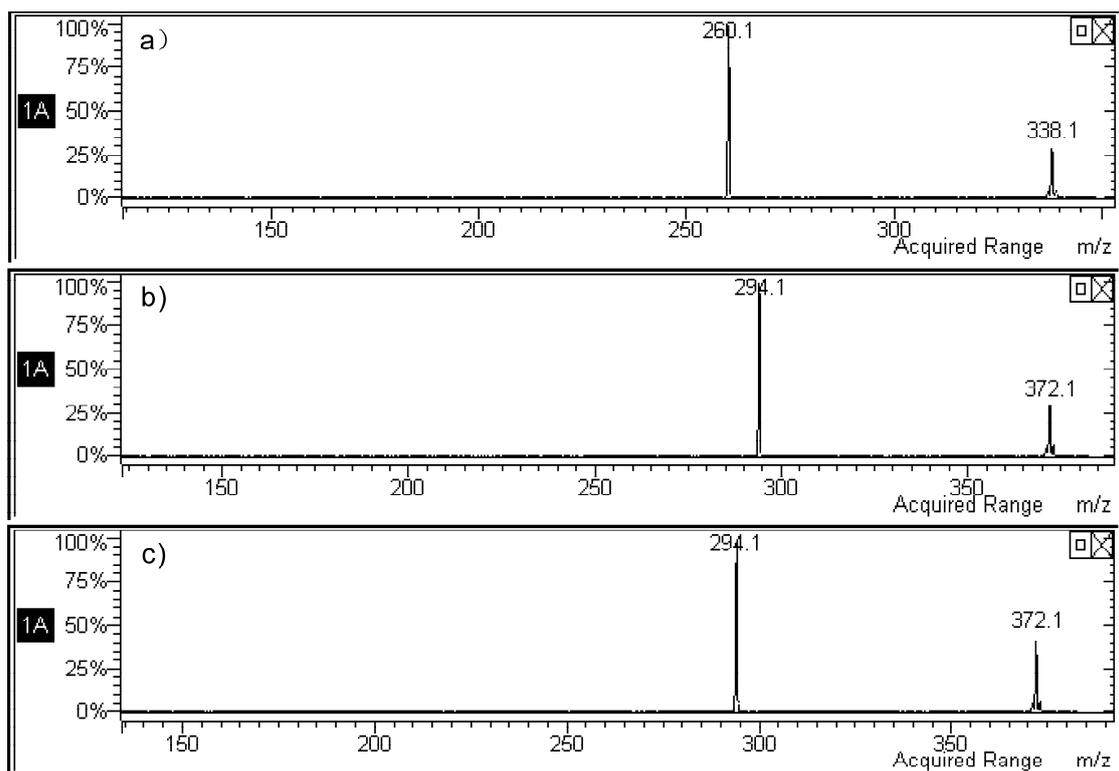


Figure S6. CID mass spectra of the $[M + H]^+$ ions of (a) compound 1, (b) compound 2, (c) compound 3.

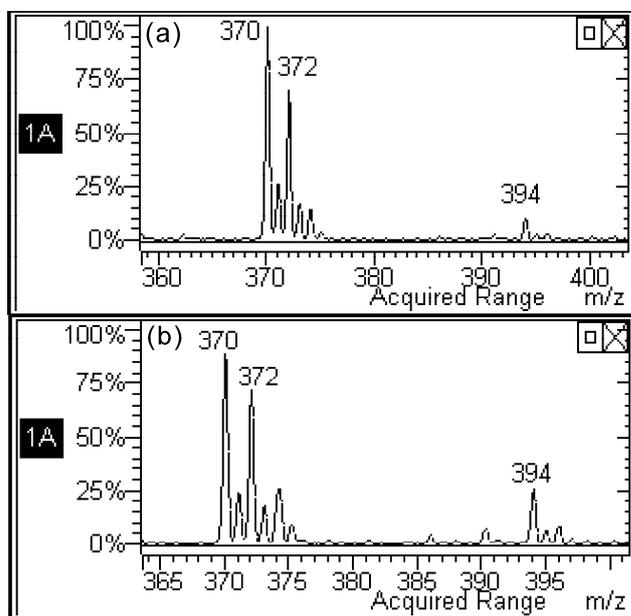


Figure S7. Full-scan ESI-IT mass spectra of (a) compound 2, (b) compound 3.