

Electronic Supplementary Information

Capillary photoionization: Interface for low flow rate liquid chromatography-mass spectrometry

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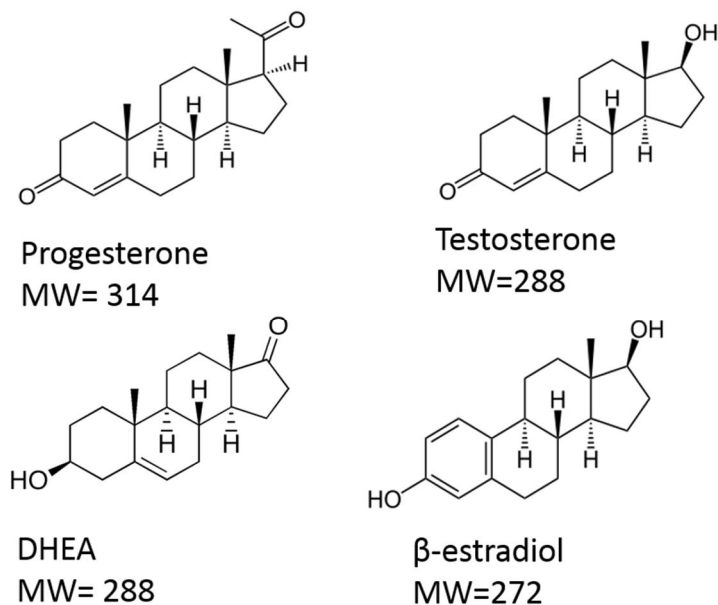


Fig. S1 Steroid structures

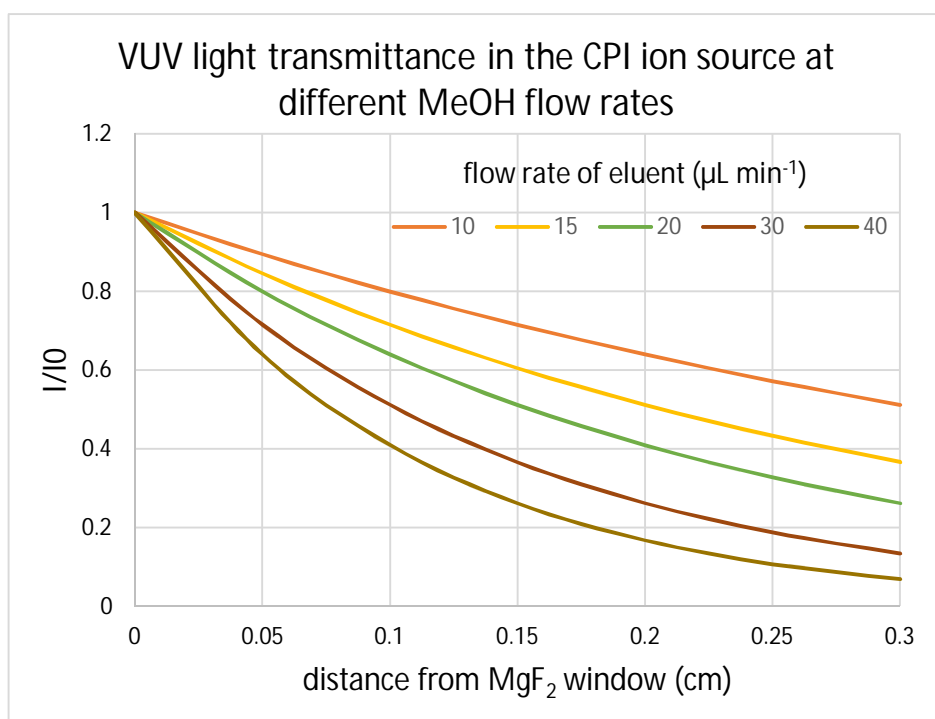


Fig. S2 Transmittance of 10.0 and 10.6 eV photons (I/I_0) in the CPI ion source assuming a simple absorbance model according to Lambert Beer's law: $\frac{I}{I_0} = e^{-\sigma n x}$, σ = photoabsorption cross-section (for MeOH $15 \times 10^{-18} \text{cm}^2/\text{molecule}$),¹ n = molecular density (molecules/ cm^3), and x = travelled distance i.e. distance from the MgF_2 window (in cm). Molecular density was calculated assuming 1 L min^{-1} total flow rate through the ion source and even distribution of eluent in the flow.

References

- 1 J. B. Nee, M. Suto, L.C. Lee, Chem. Phys., 1985, 98, 147-155.