

Supplementary Information

Optimization of Psilocybin Extraction from *Psilocybe cubensis* Mushrooms and Characterization of the Fungal Extract

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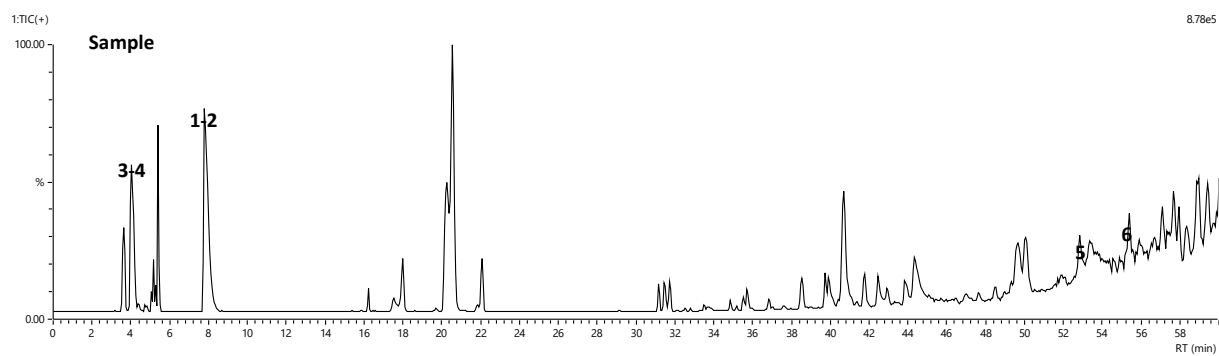


Figure S1. *Psilocybe cubensis* extract LC-MS/MS.

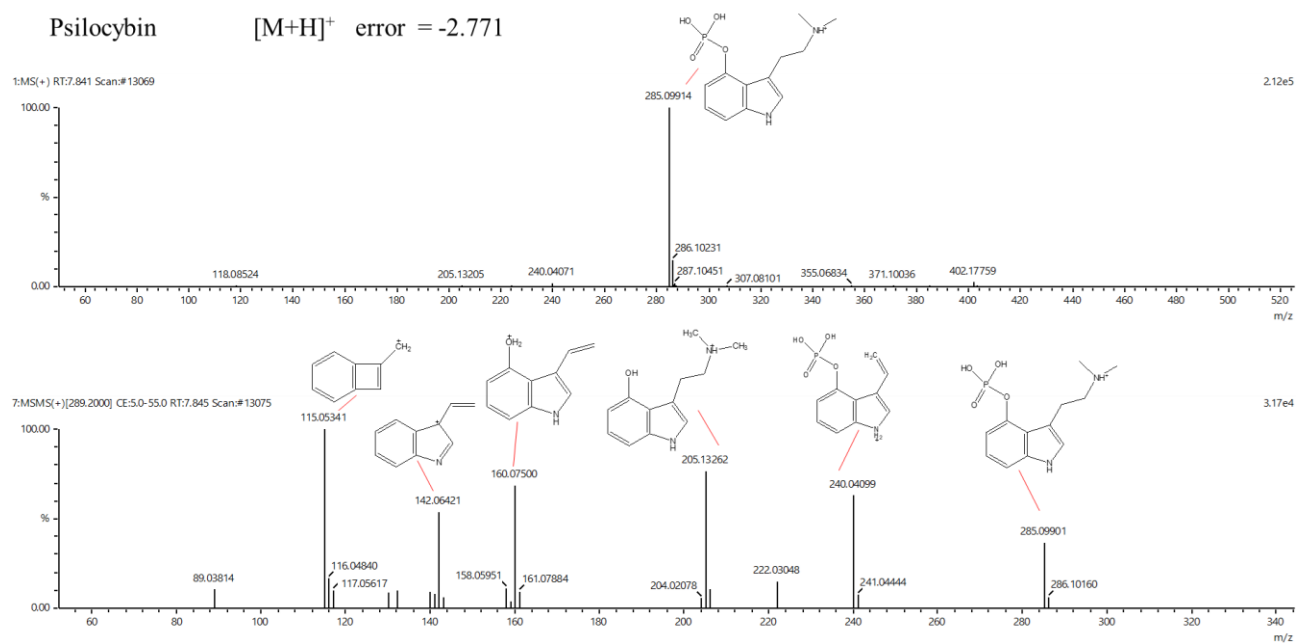


Figure S2. MS¹ and MS² compound **1** spectra.

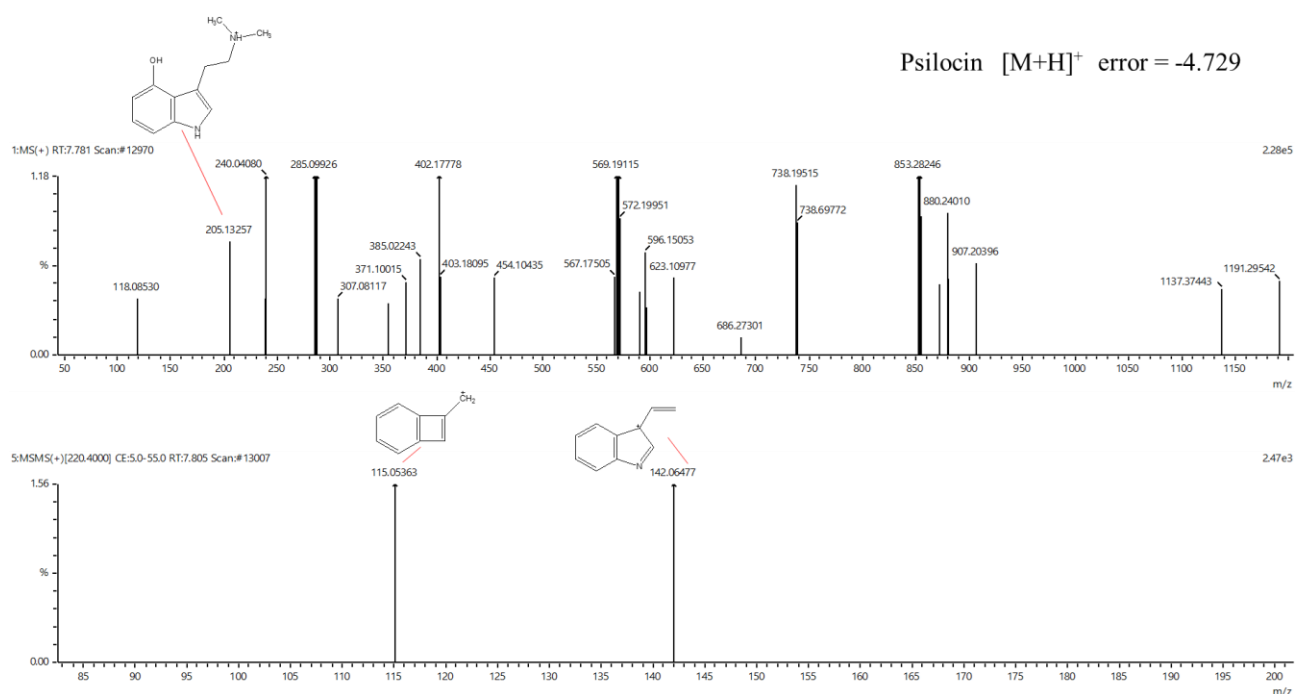


Figure S3. MS¹ and MS² compound 2 spectra.

sn-Glycero-3-phosphocholine $[M+H]^+$ error = -3.49

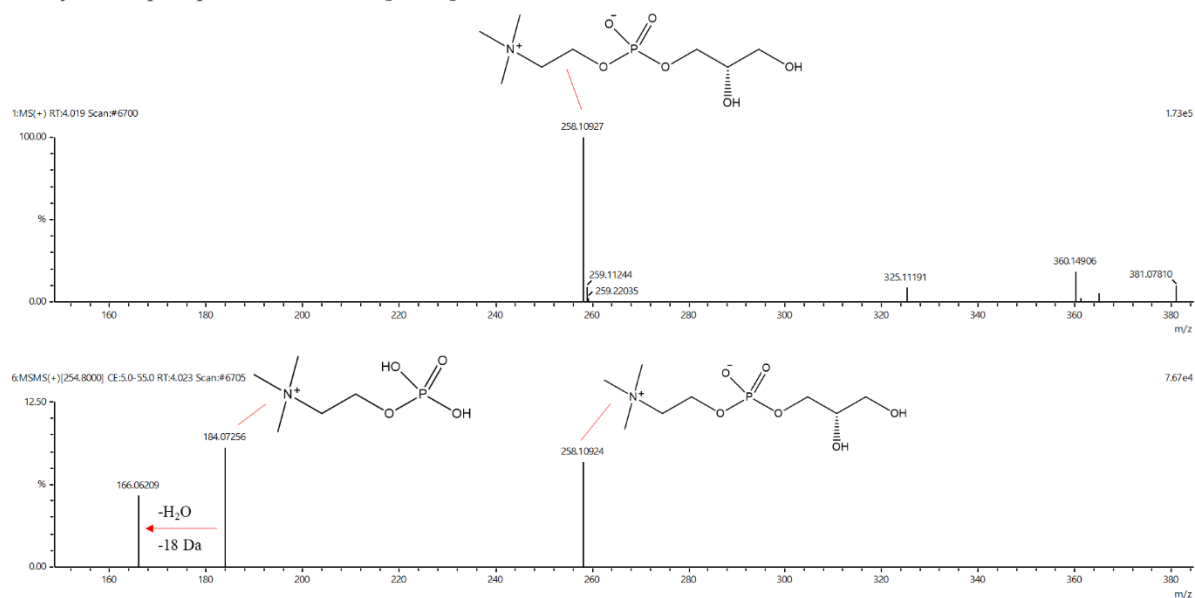


Figure S4. MS¹ and MS² compound 3 spectra.

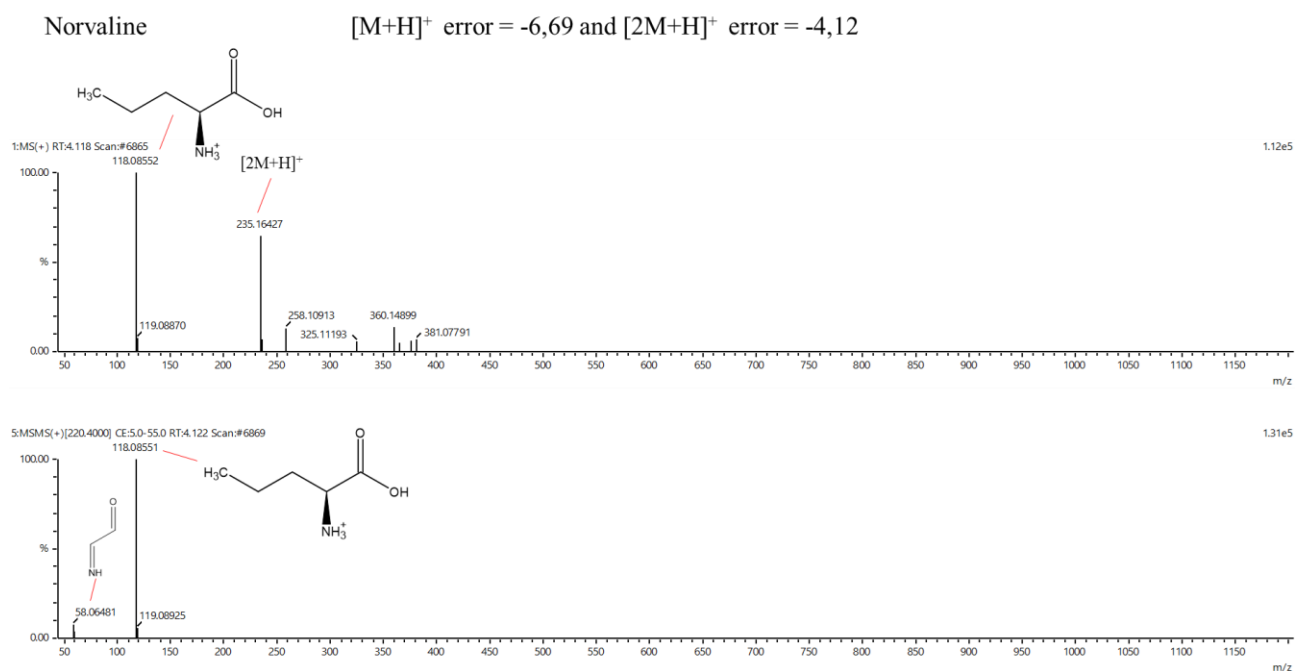


Figure S5. MS¹ and MS² compound 4 spectra.

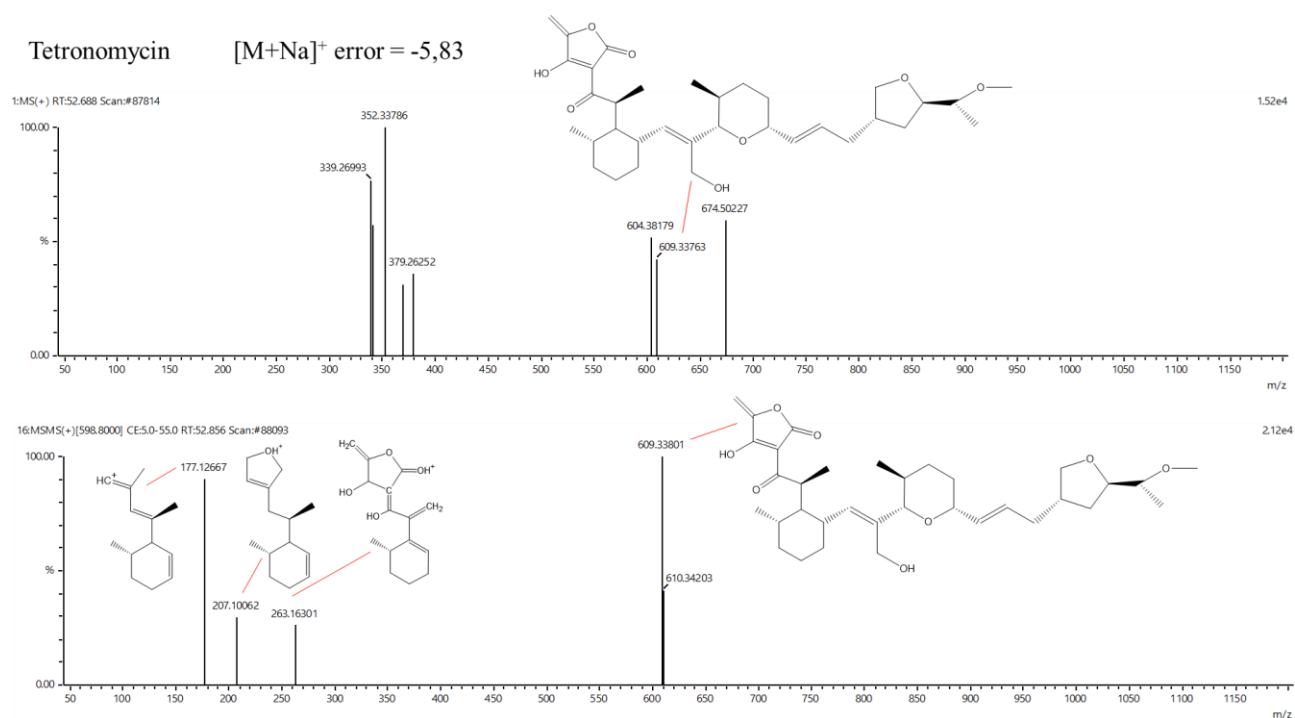


Figure S6. MS¹ and MS² compound 5 spectra.

N-(tetradecanoyl)-sphinganine

$[M+NH]^+$ error = -4,23

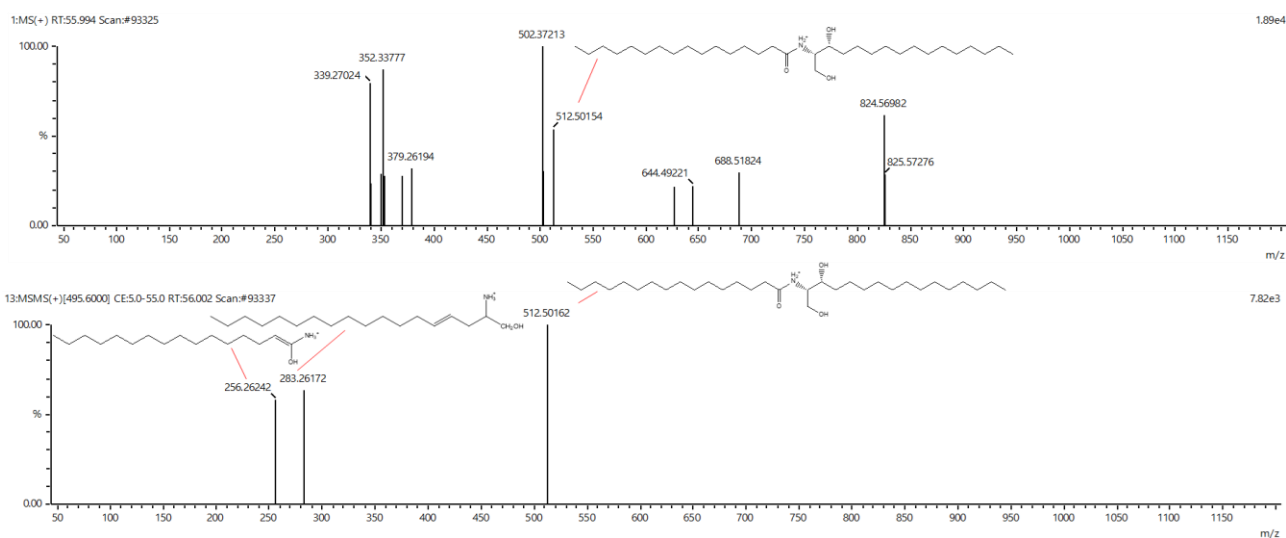


Figure S7. MS¹ and MS² compound **6** spectra.