



Supplementary Information: Rapid Isolation and Purification of the Antidepressants Mesembrine and Mesembrenone from *Mesembryanthemum tortuosum*

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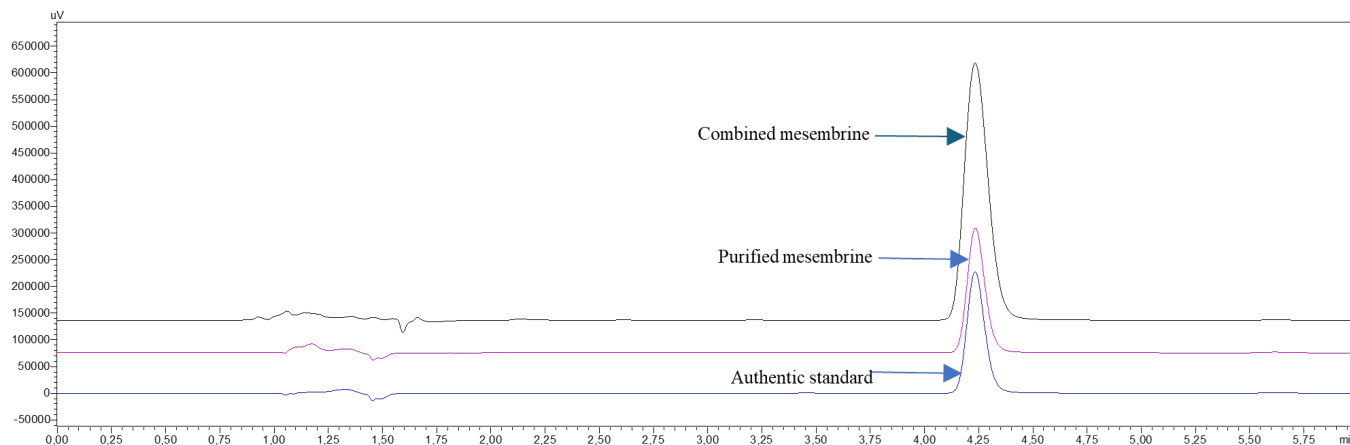


Figure S 1. The authentic reference standard of mesembrine (bottom chromatogram) was tested for purity and spiked to the purified mesembrine (middle chromatogram) which provided a single peak of the combined mesembrine (top chromatogram) providing further evidence of the identity and purity of the isolated mesembrine

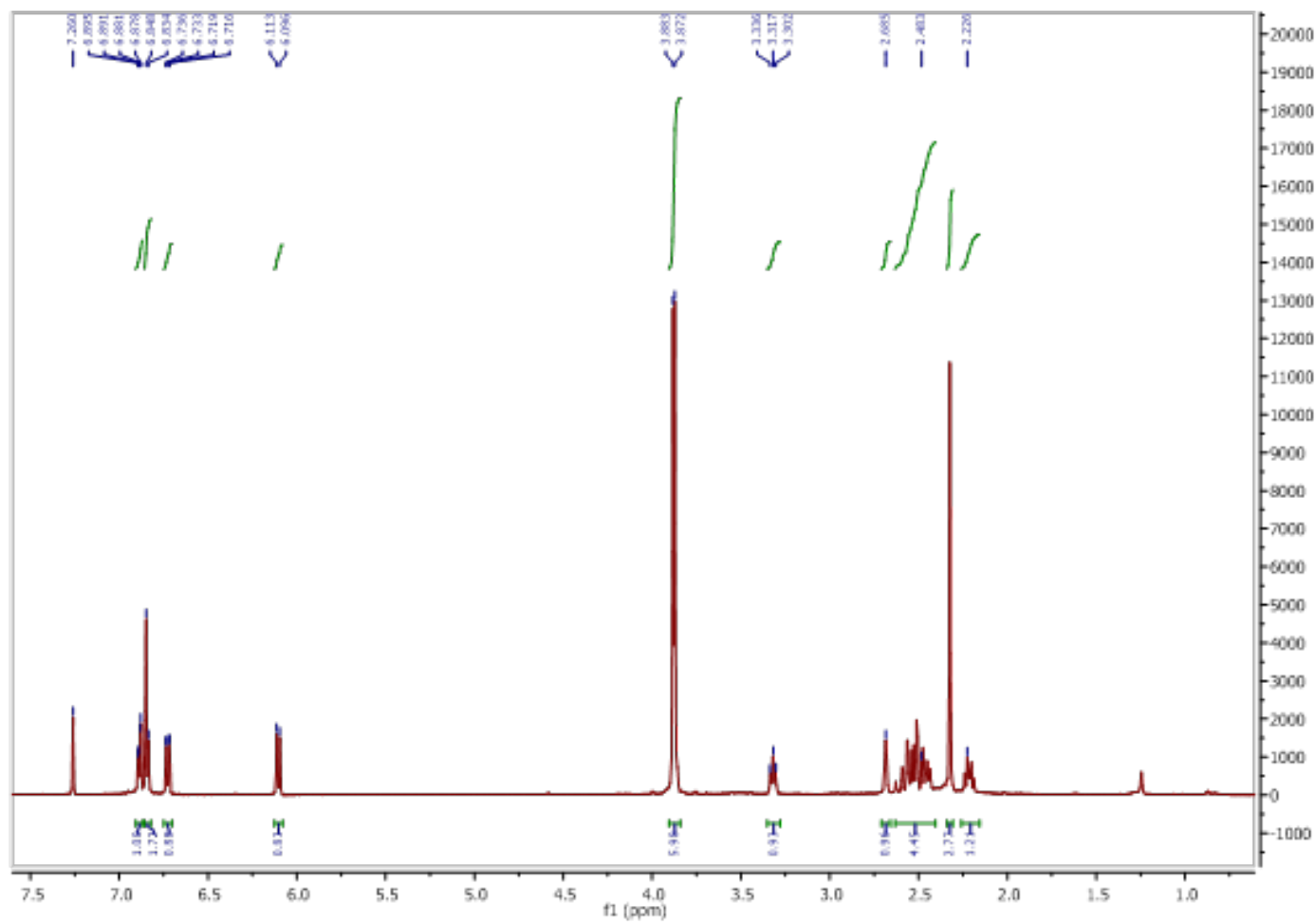


Figure S 2. NMR spectrum of mesembrenone

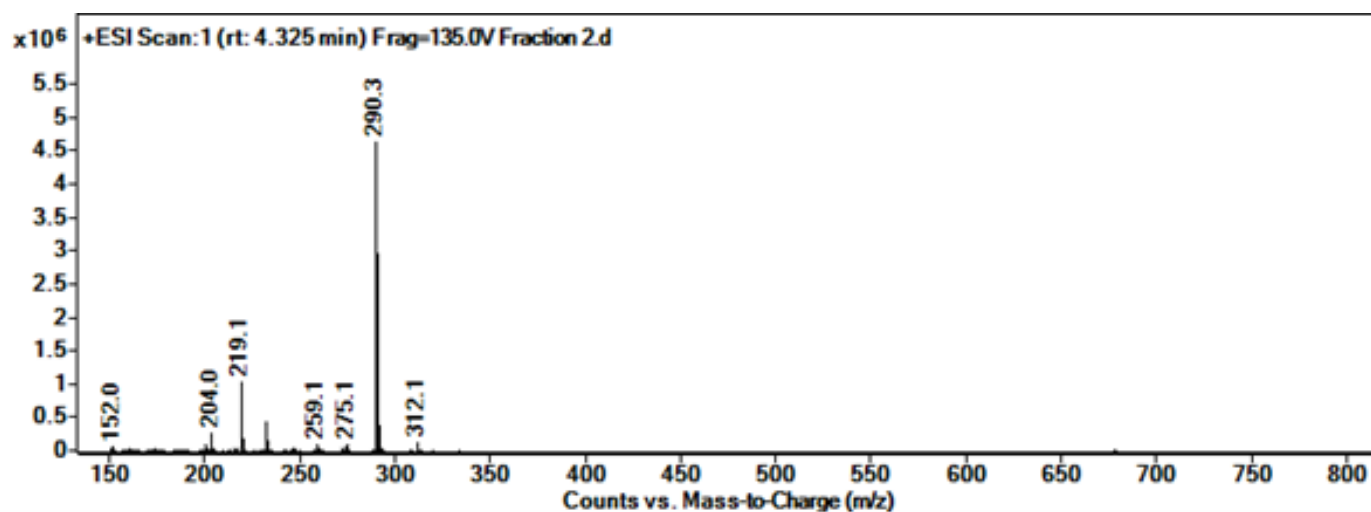


Figure S 5. LCMS (+) ESI data of mesembrine

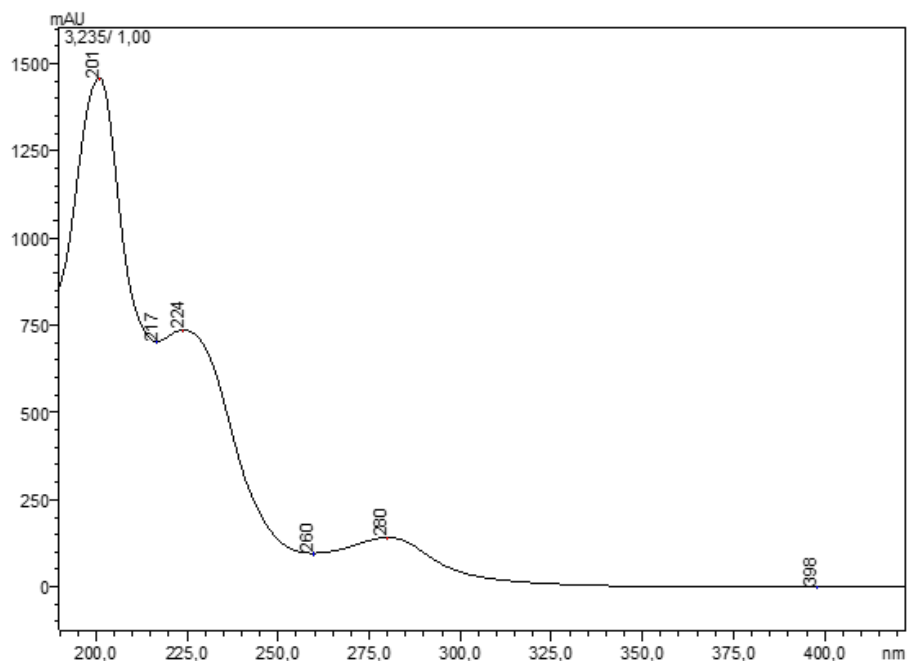


Figure S 6. UV spectrum of mesembrenone

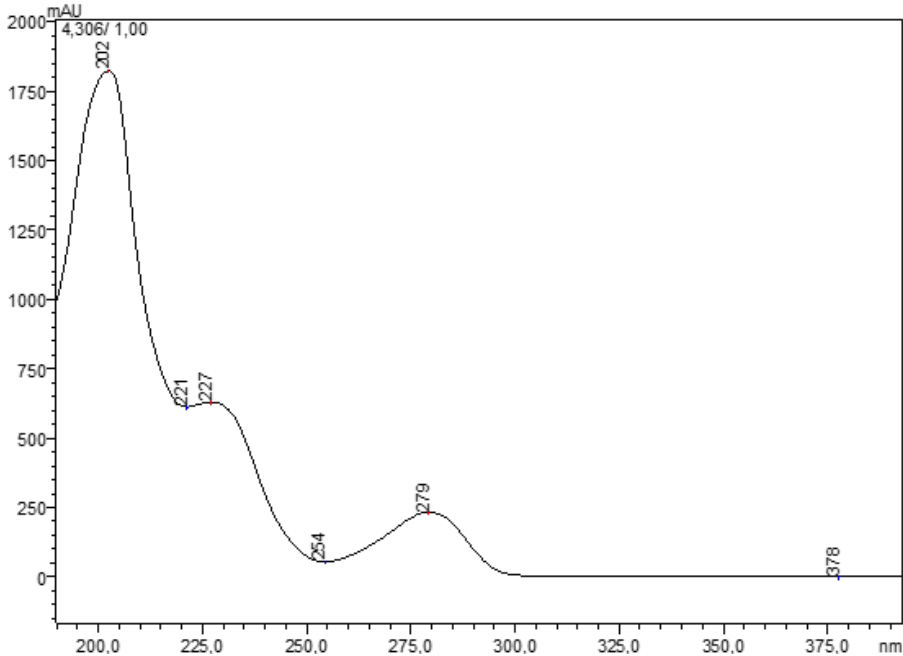


Figure S 7. UV spectrum of mesembrine