

# Synthesis, characterization and in vitro biological evaluation of two matrine derivatives

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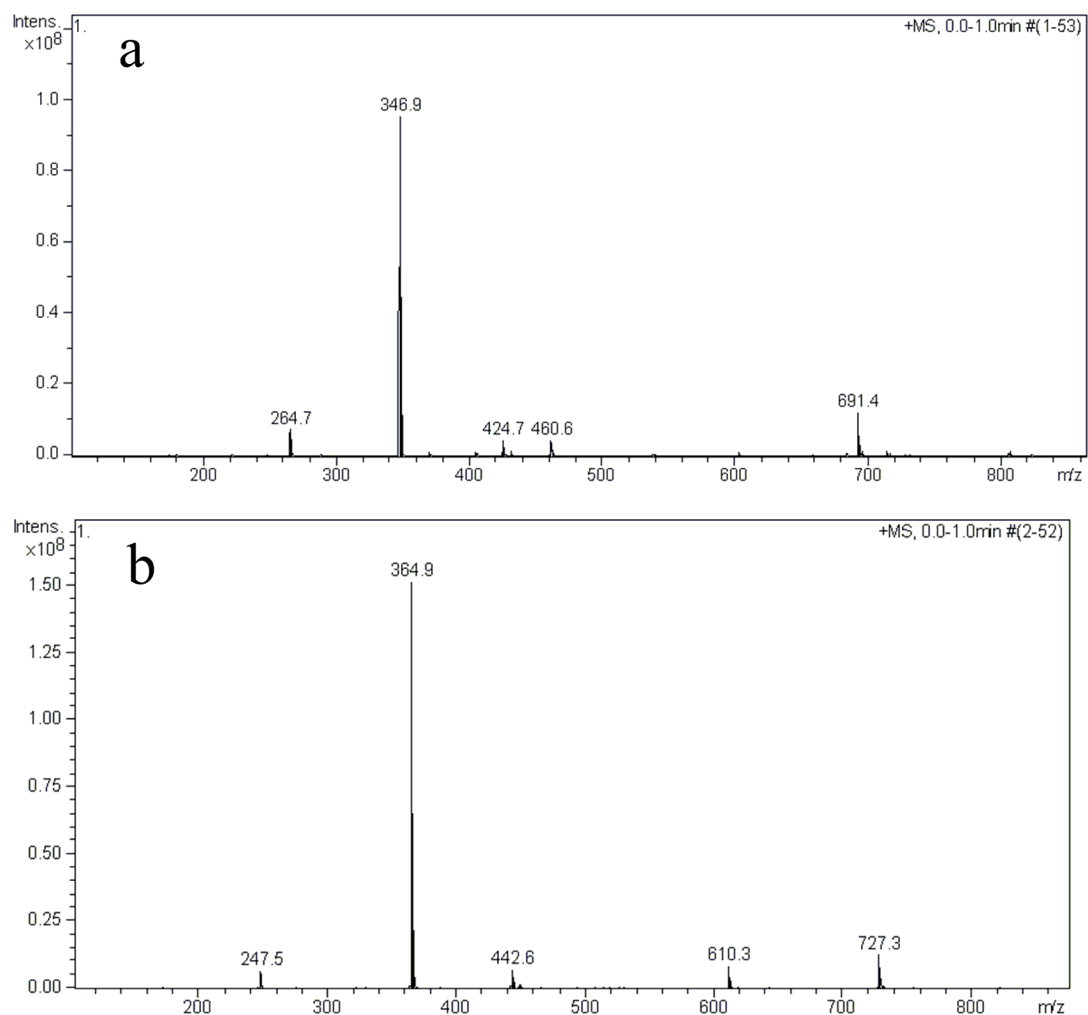
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## **Supporting information:**

**Supplementary Figure S1-S3.**

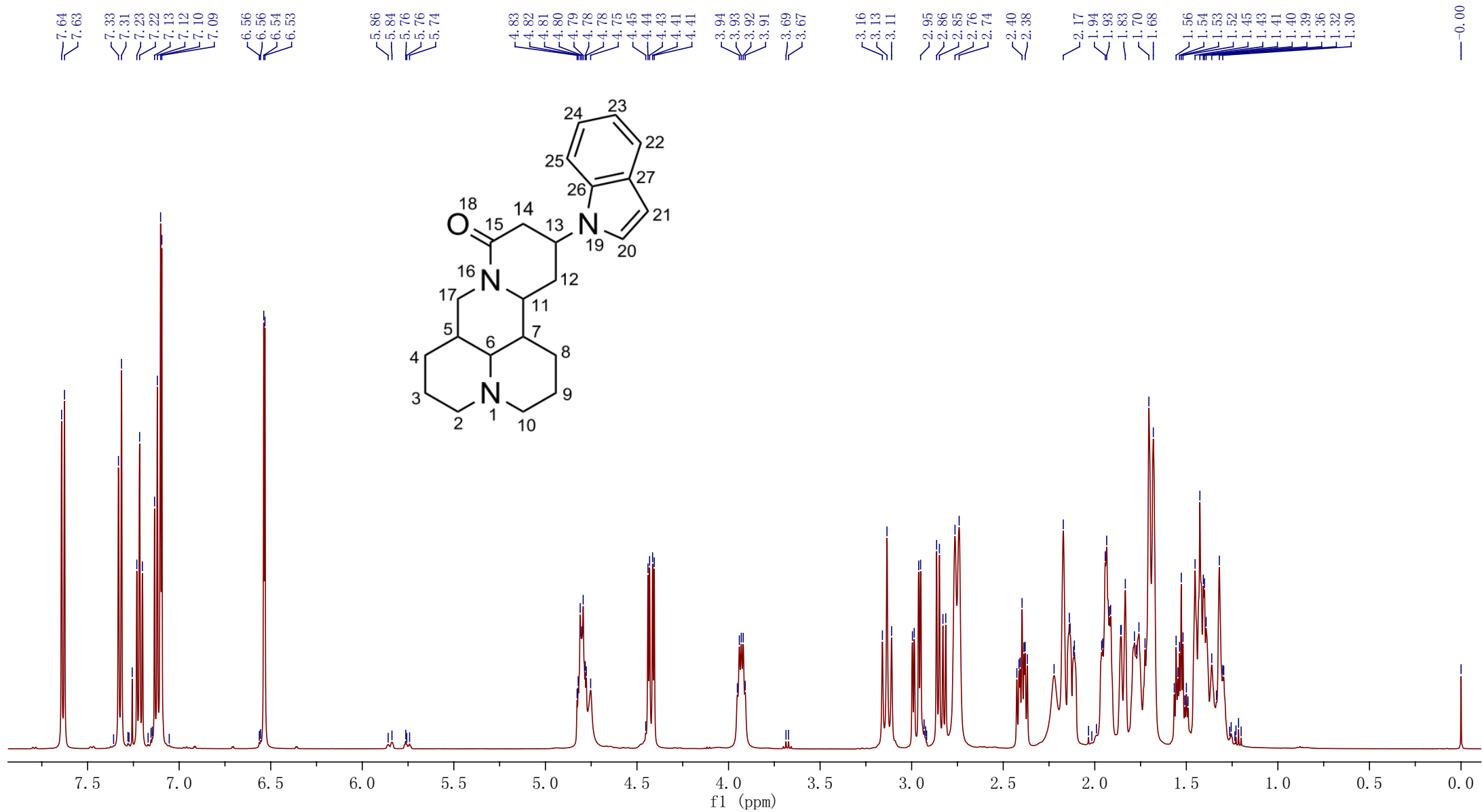
## Supplementary materials

**Figure S1.** LR-ESI-MS analysis of matrine derivative 1(a) and 2(b).



**Figure S2.**  $^1\text{H}$  NMR (A) and  $^{13}\text{C}$  NMR (B) spectra of matrine derivative 1 in  $\text{CDCl}_3$

**A**



B

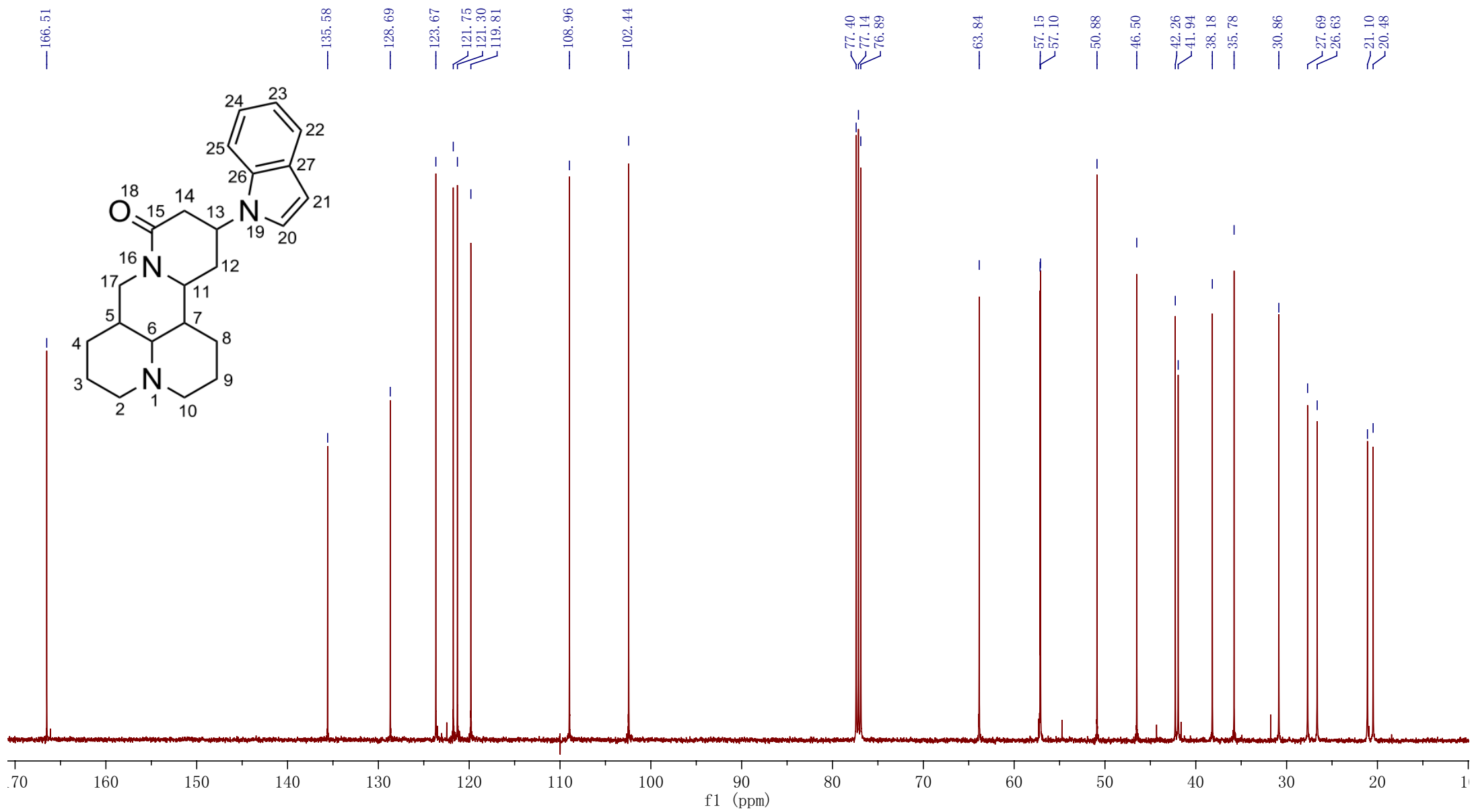
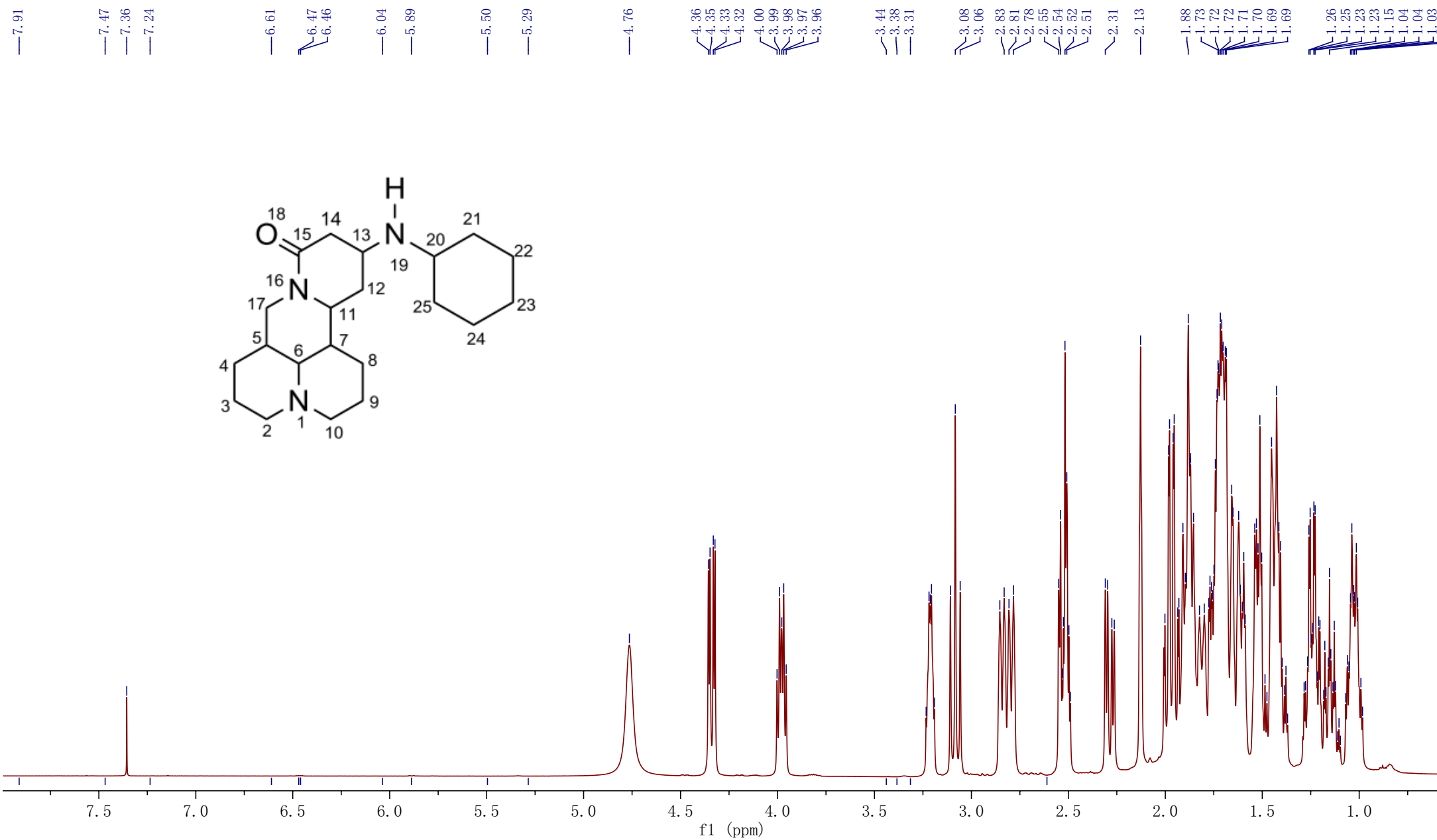


Figure S3. <sup>1</sup>H NMR (A) and <sup>13</sup>C NMR (B) spectrums of matrine derivative 2 in CDCl<sub>3</sub>

A



B

