

# Supplementary Information

## (-)-7-Hydroxycassine: a New 2,6-Dialkylpiperidin-3-ol Alkaloid and other Constituents Isolated from Flowers and Fruits of *Senna spectabilis* (Fabaceae)

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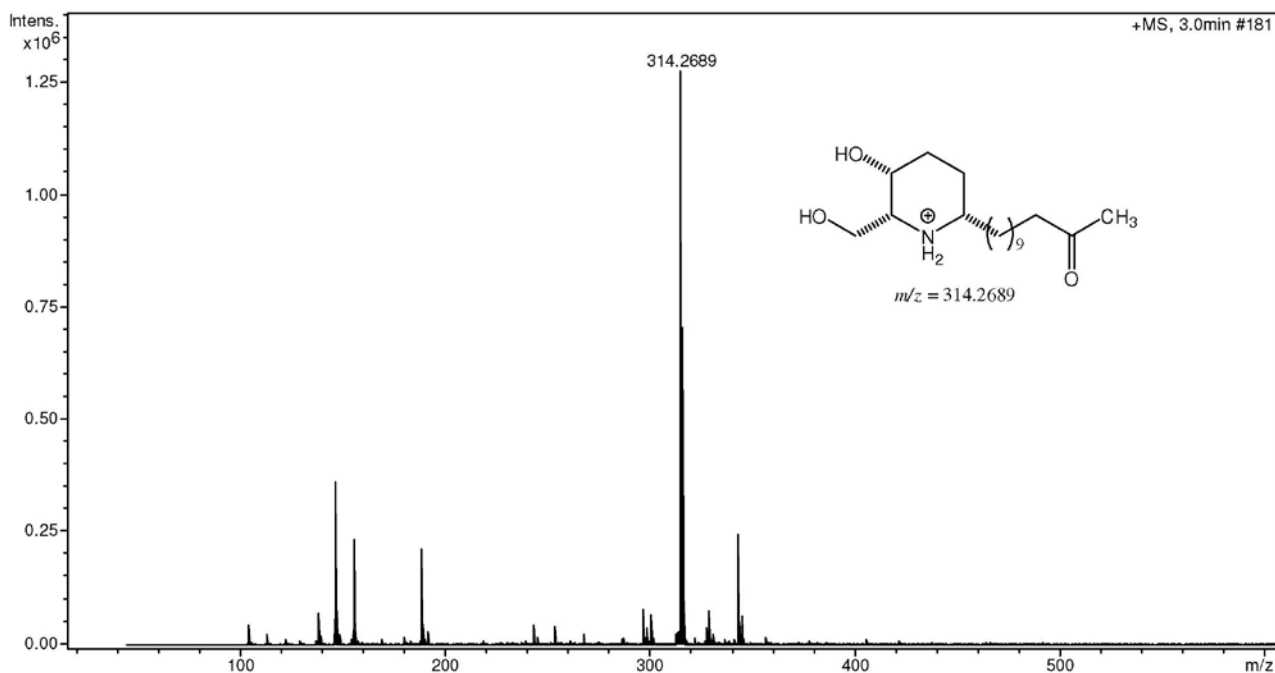
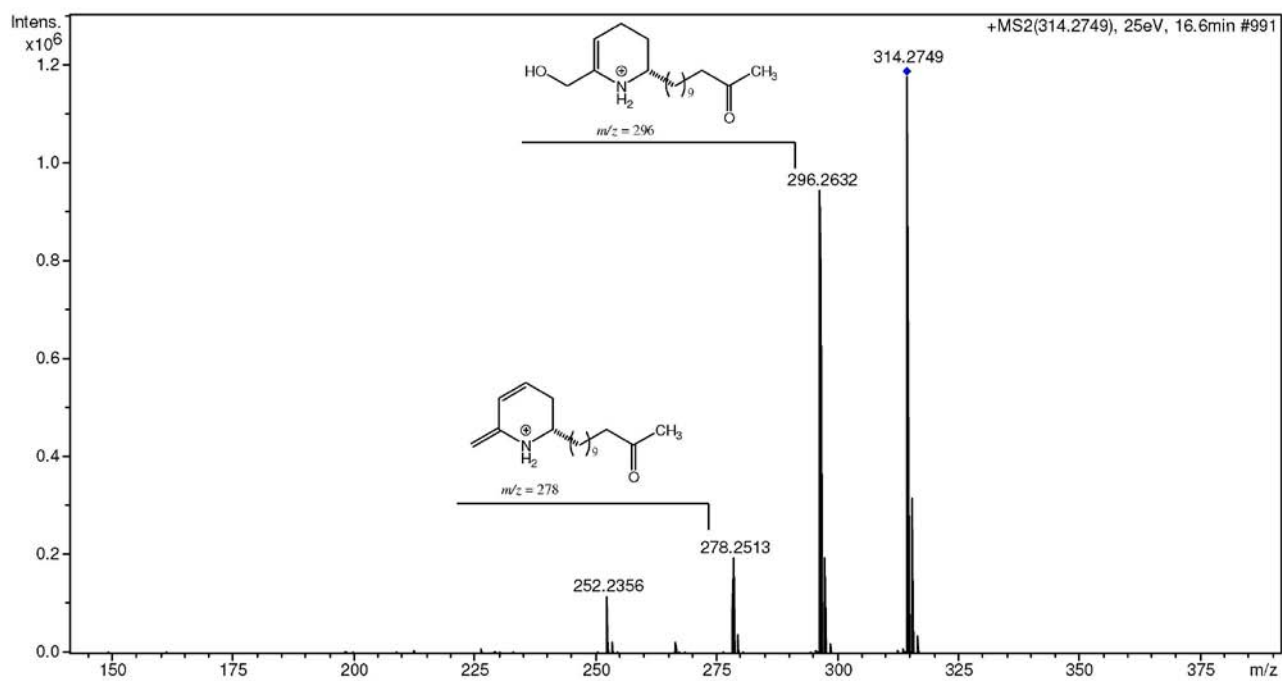
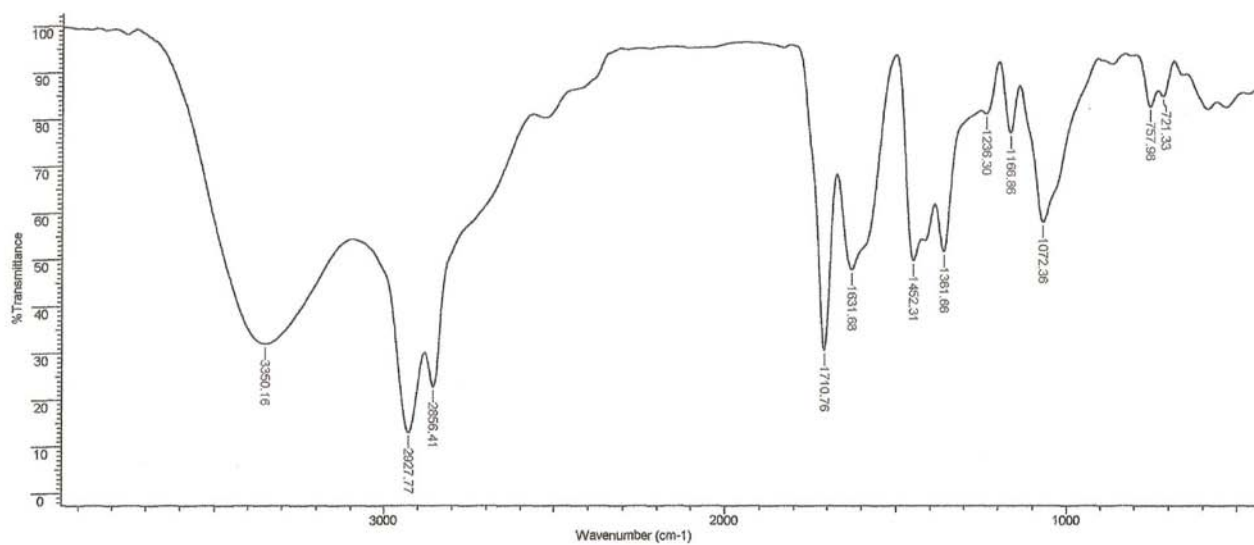


Figure S1. ESI-MS spectrum of alkaloid 1 (HRESITOFMS  $m/z$  314.2689 [M + H]<sup>+</sup> (calcd. for C<sub>18</sub>H<sub>36</sub>NO<sub>3</sub>, 314.2690)).

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**Figure S2.** ESI-MS/MS spectrum of alkaloid 1 (the protonated molecule ( $m/z$  314.2749) was selected and fragmented by CID, using  $N_2$  as collision gas).



**Figure S3.** IR spectrum of alkaloid 1 (KBr pellet).

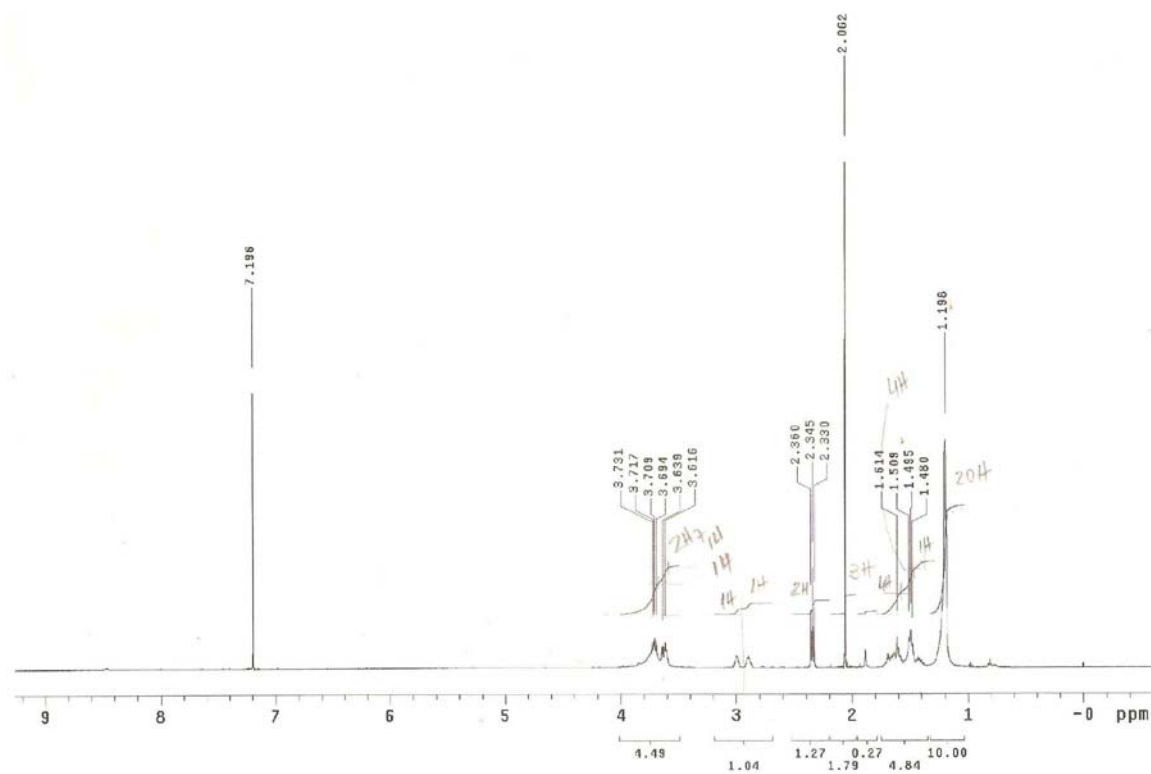


Figure S4.  $^1\text{H}$  NMR (500 MHz,  $\text{CDCl}_3$ ) spectrum of alkaloid 1.

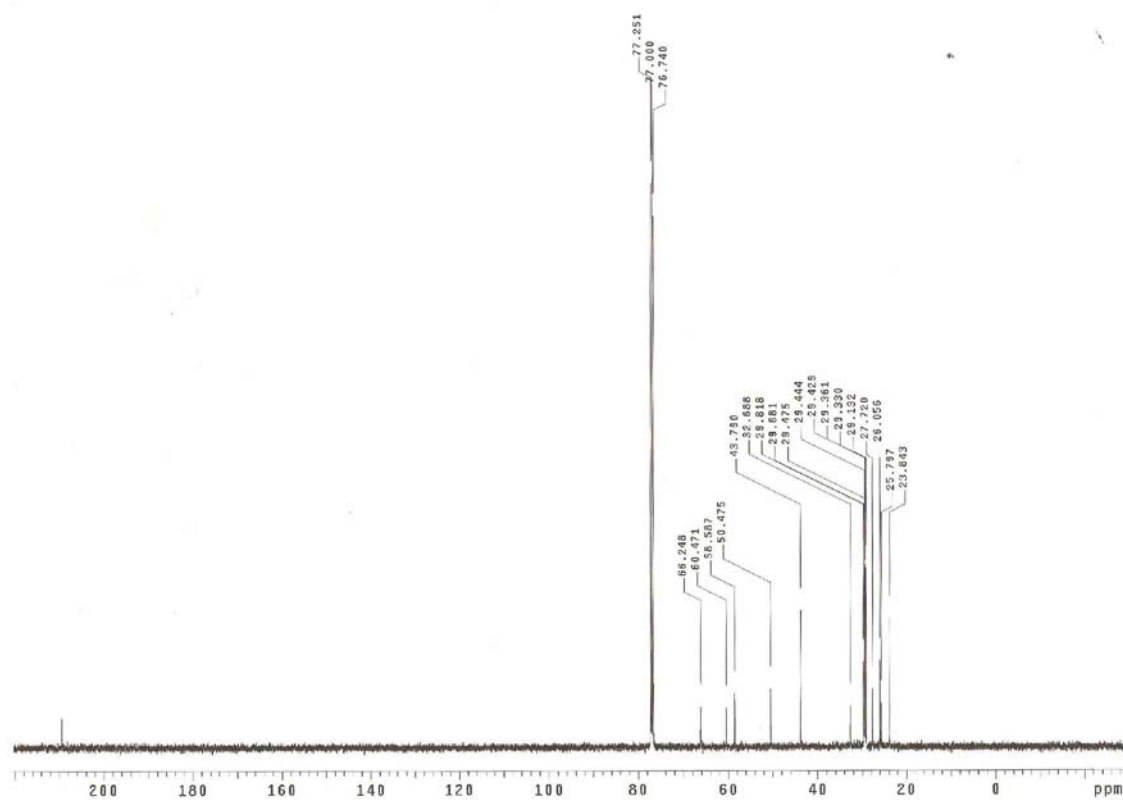


Figure S5.  $^{13}\text{C}$  NMR (125 MHz,  $\text{CDCl}_3$ ) spectrum of alkaloid 1.

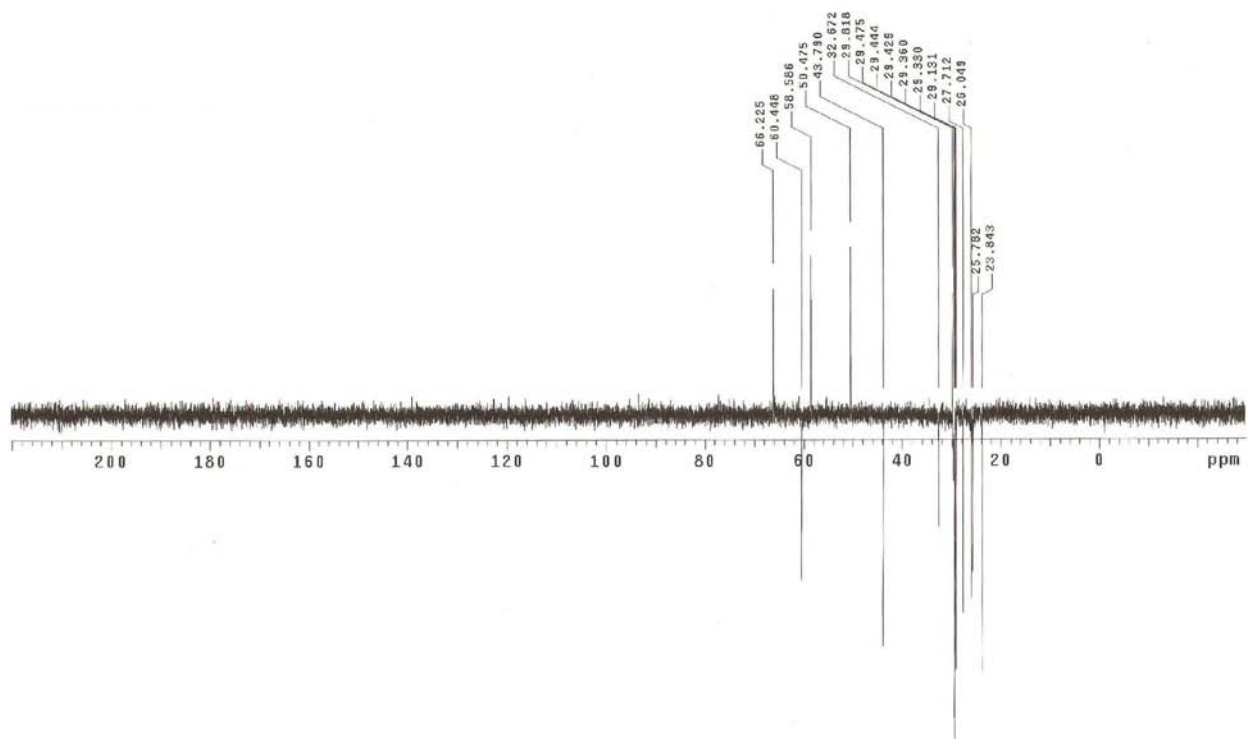


Figure S6. DEPT 135 NMR (125 MHz,  $\text{CDCl}_3$ ) spectrum of alkaloid 1.

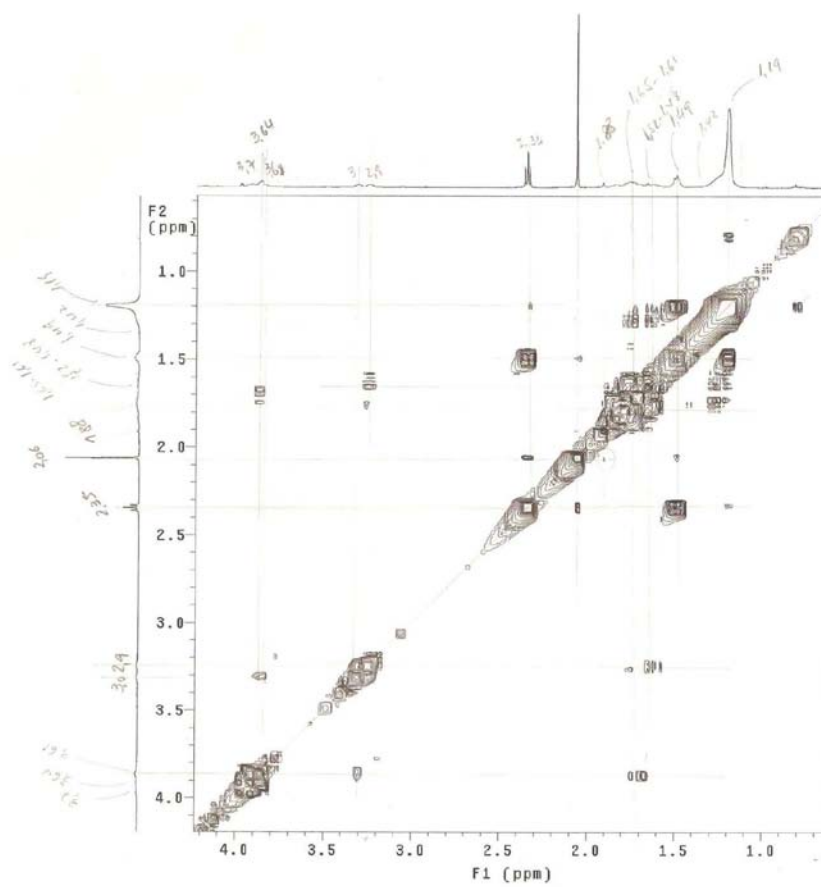


Figure S7. COSY spectrum of alkaloid 1 in  $\text{CDCl}_3$ .

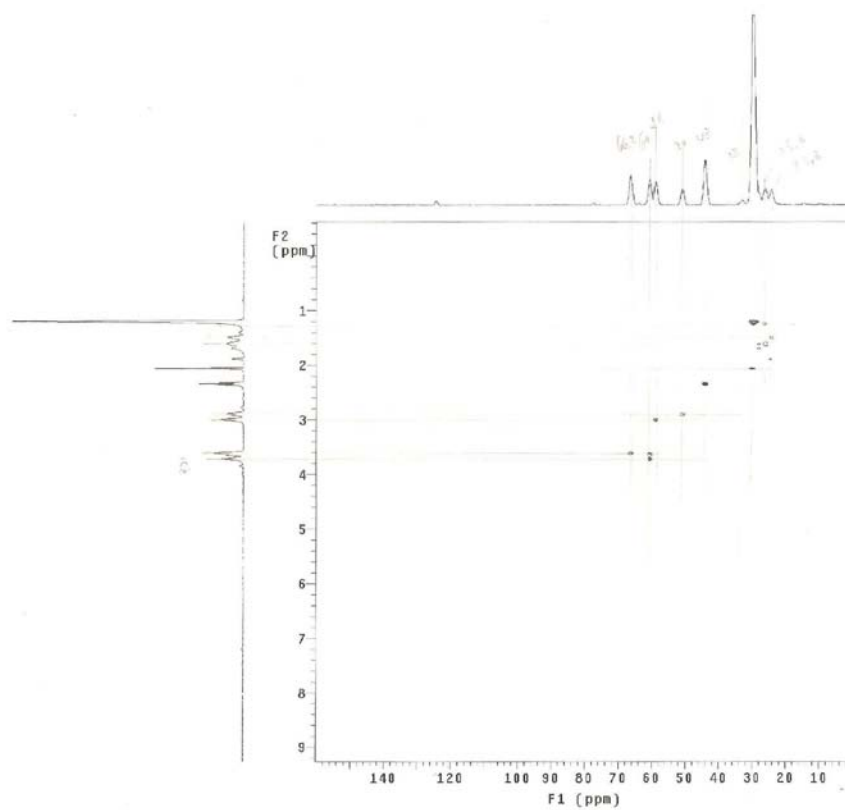


Figure S8. HMQC spectrum of alkaloid **1** in  $\text{CDCl}_3$ .

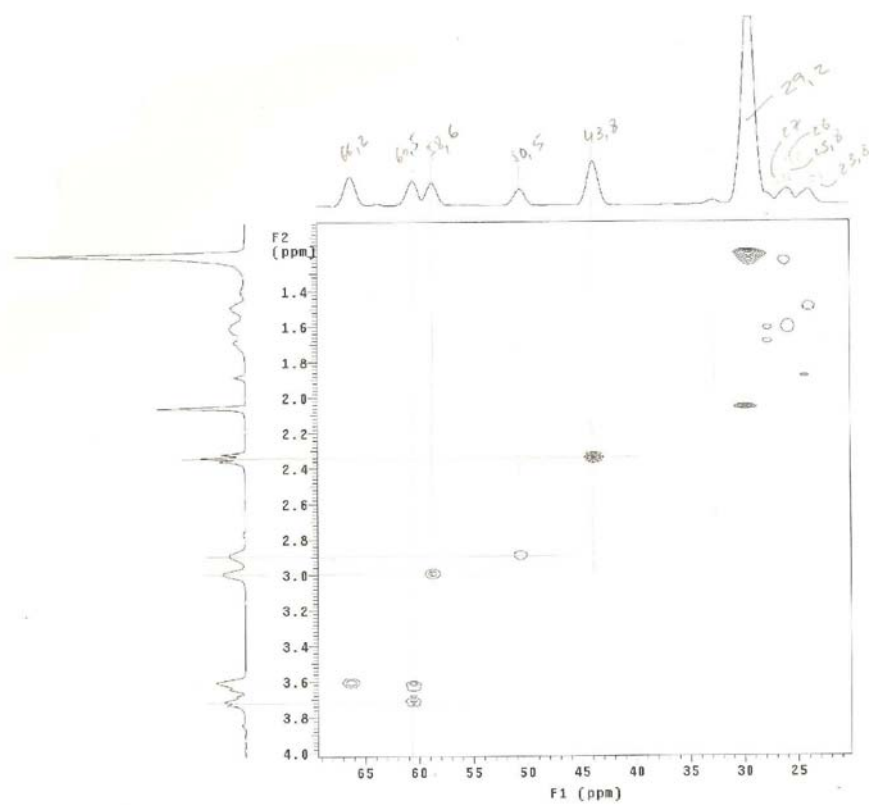


Figure S9. HMQC spectrum (expansion  $\delta$  25-65) of alkaloid **1** in  $\text{CDCl}_3$ .

