

丽江乌头根中的二萜生物碱成分研究

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Figure 1. HR-ESI-MS spectrum for compound **1**

Figure 2. IR spectrum for compound **1**

Figure 3. ¹H NMR spectrum for compound **1** in CDCl₃ (600Hz)

Figure 4. ¹³C NMR spectrum for compound **1** in CDCl₃ (150Hz)

Figure 5. DEPT ($\theta = 135^\circ$) spectrum for compound **1** in CDCl₃

Figure 6. ¹H-¹H COSY spectrum for compound **1** in CDCl₃

Figure 7. HMQC spectrum for compound **1** in CDCl₃

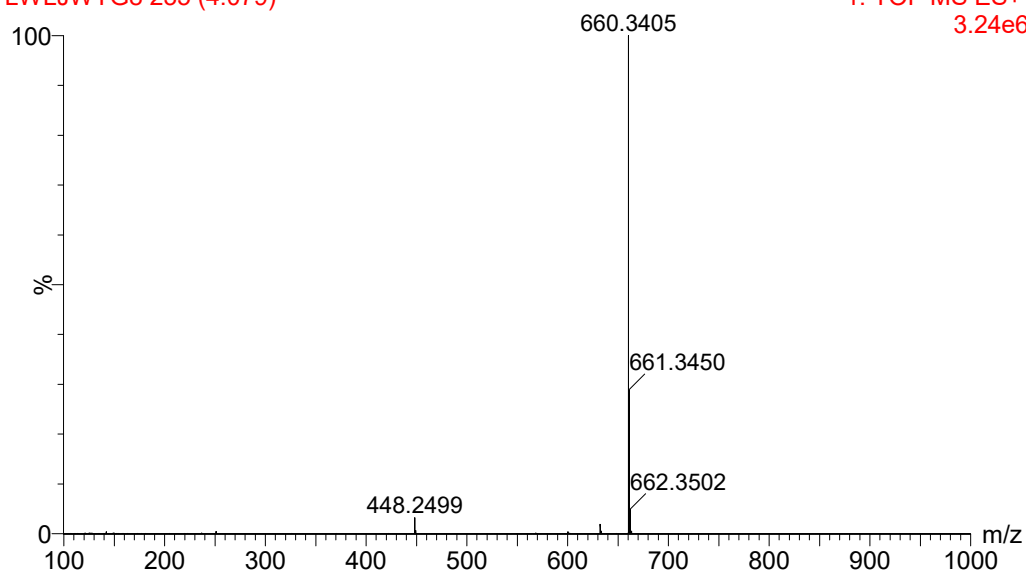
Figure 8. HMBC spectrum for compound **1** in CDCl₃

Figure 9. NOESY spectrum for compound **1** in CDCl₃

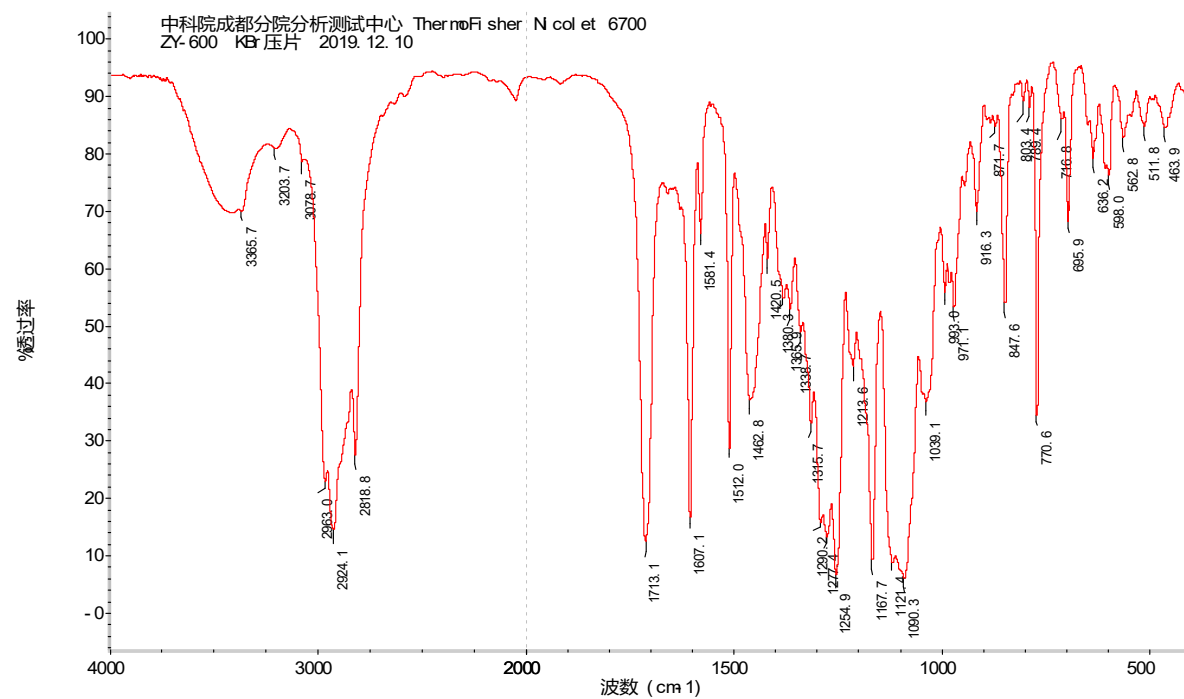
1. HR-ESI-MS spectrum of compound 1.

LWLJWGT8 235 (4.079)

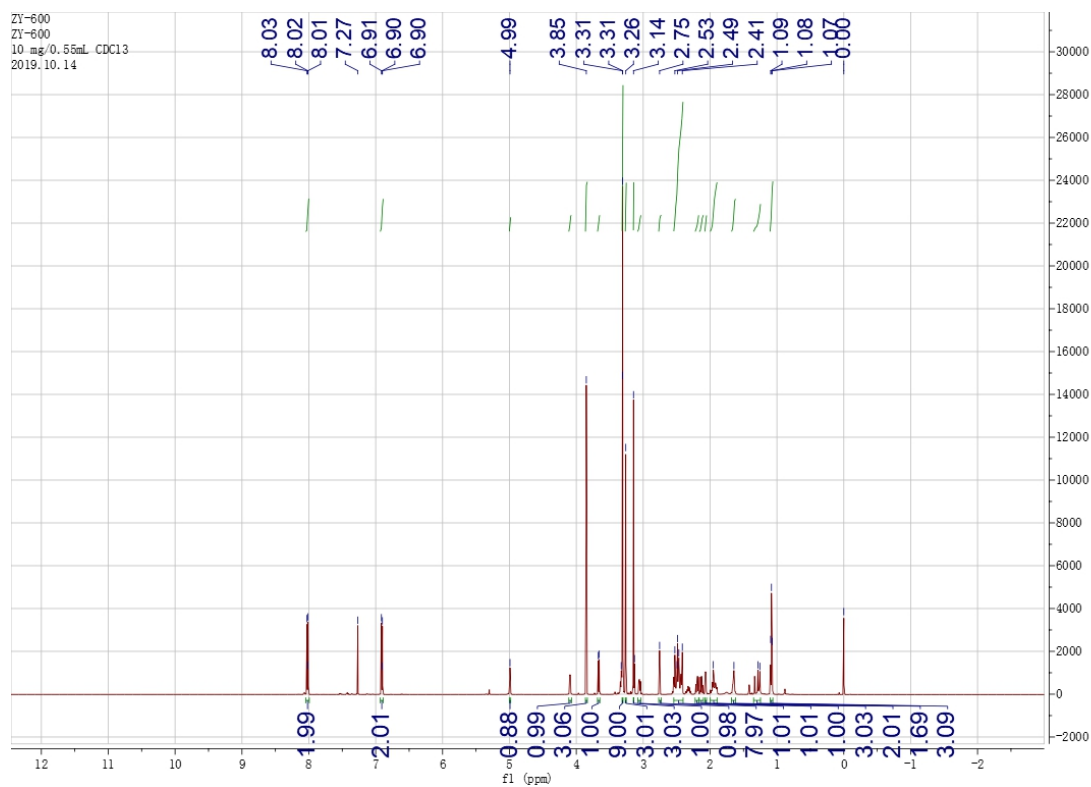
1: TOF MS ES+
3.24e6



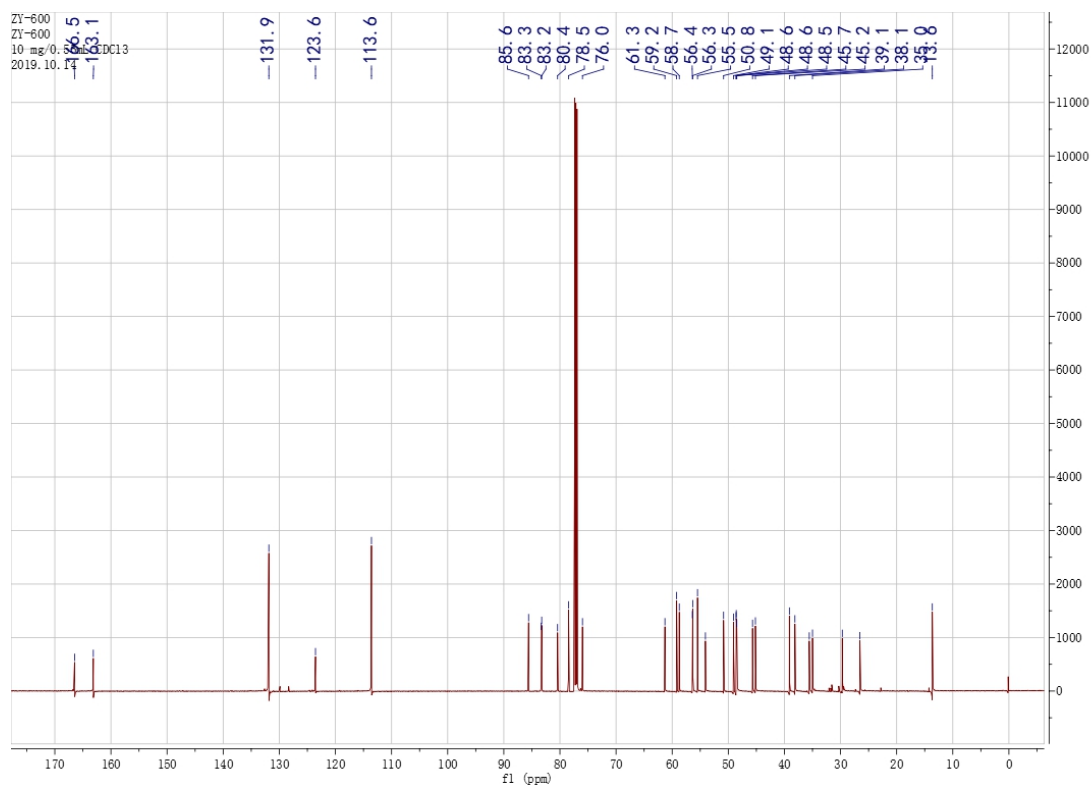
2. IR spectrum of compound 1.



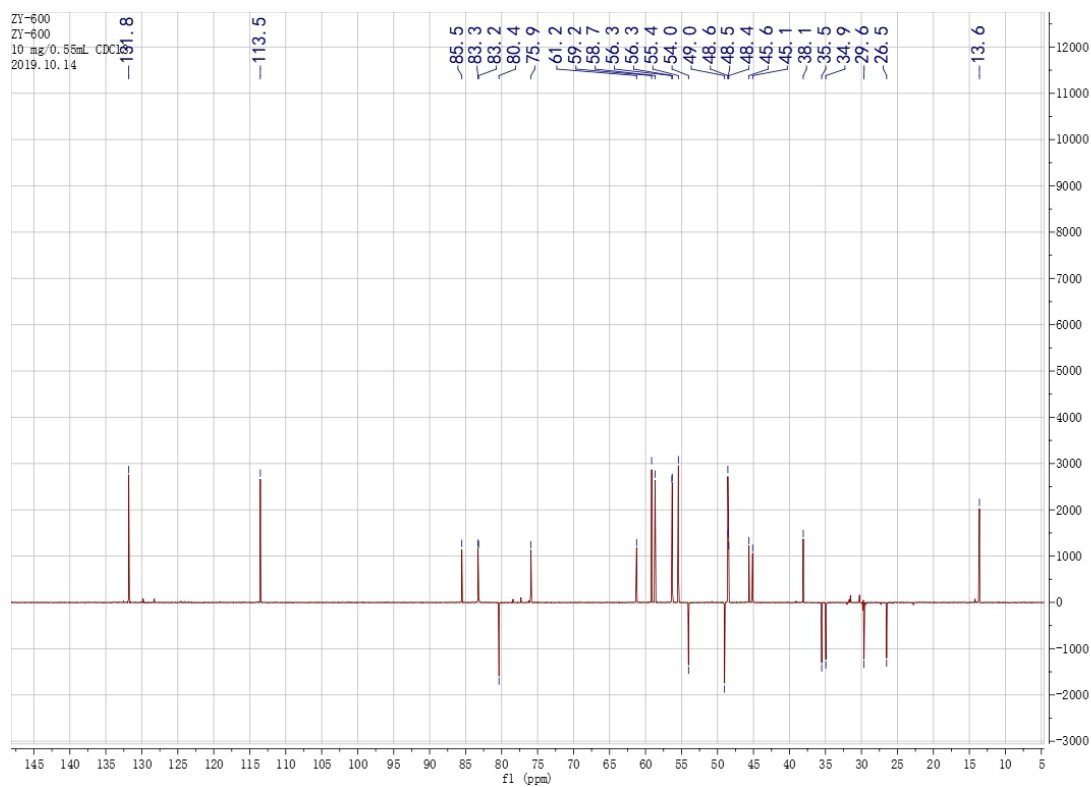
3. ^1H NMR spectrum of compound 2.



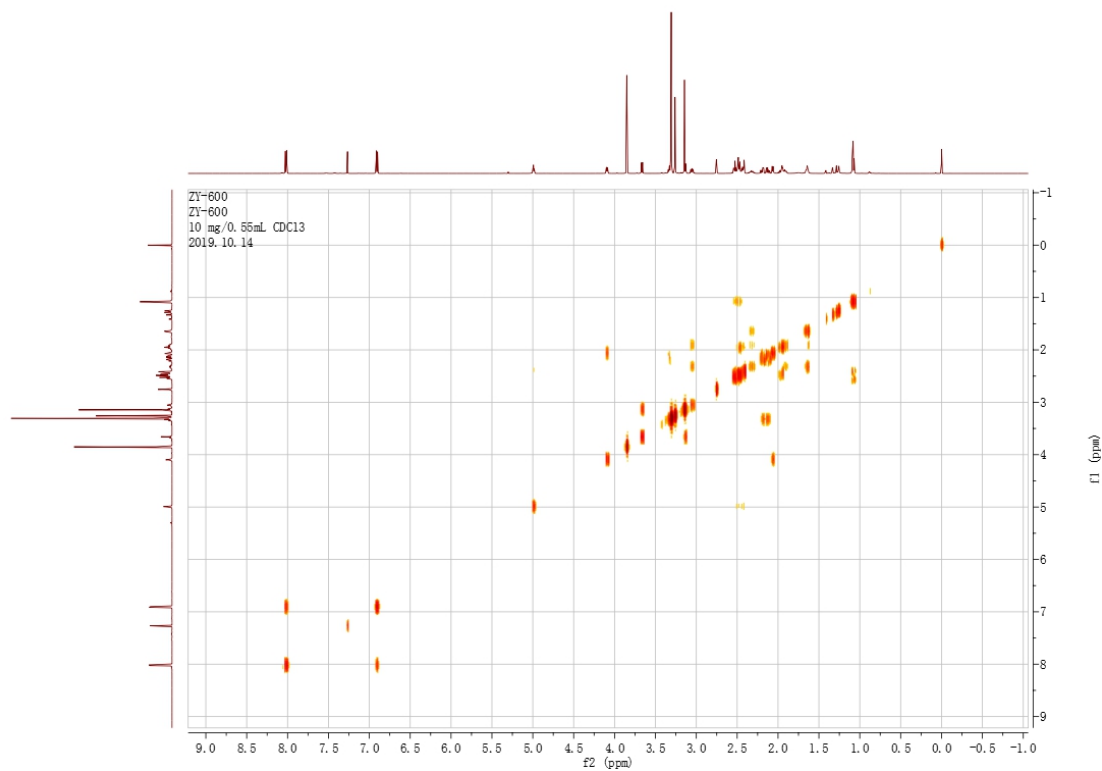
4. ^{13}C NMR spectrum of compound 2.



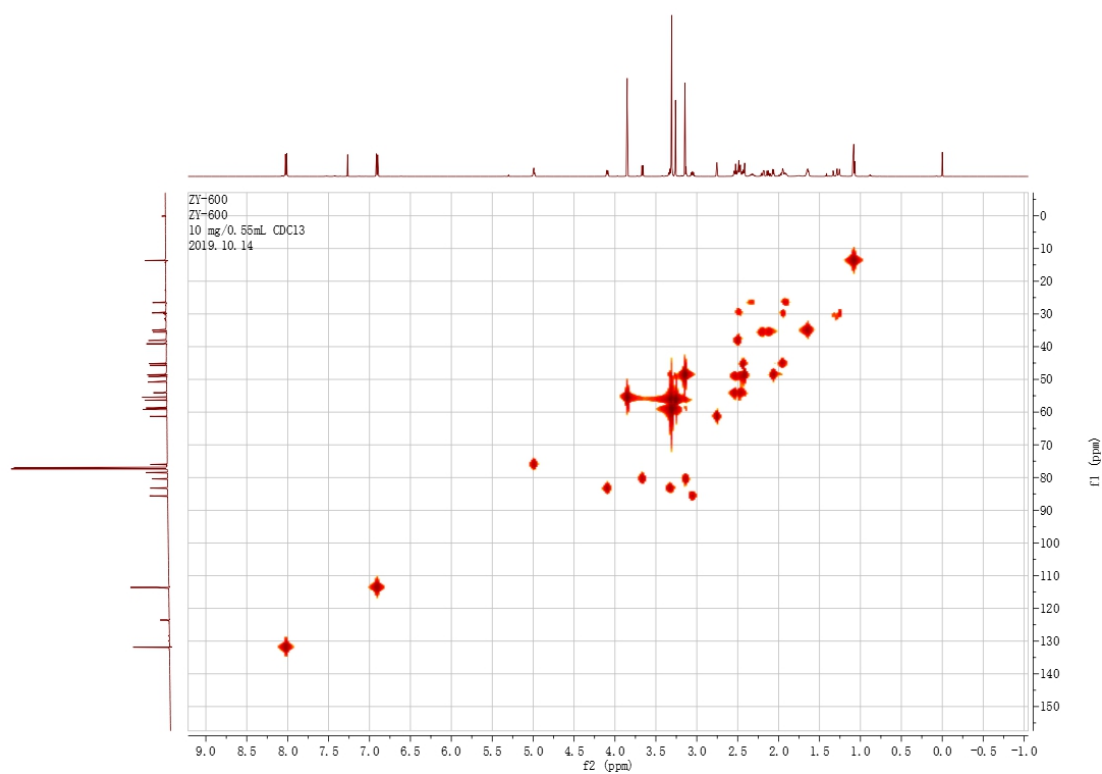
5. DEPT($\theta = 135^\circ$) spectrum of compound 2.



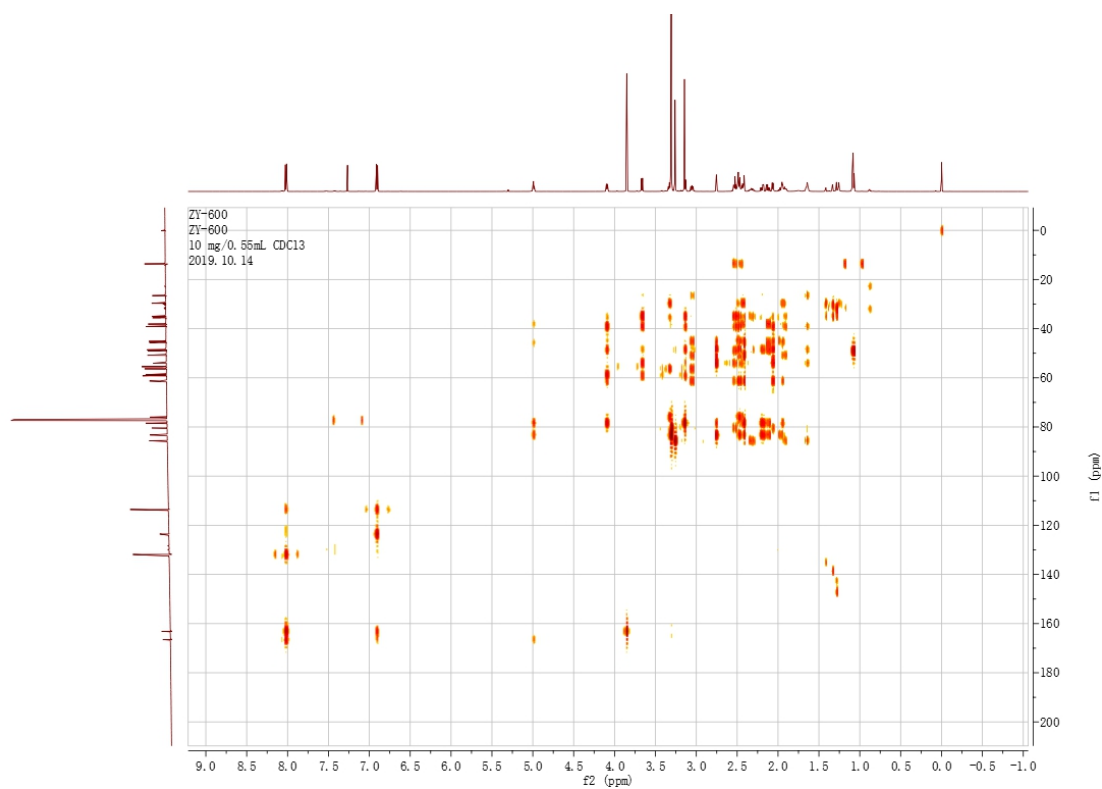
6. ^1H - ^1H COSY spectrum of compound 2.



7. HMQC spectrum of compound 2.



8. HMBC spectrum of compound 2.



9. NOESY spectrum of compound 2.

