Supporting Information

Rec. Nat. Prod. X:X (2025) XX-XX

Anti-inflammatory Diterpenoid Alkaloids from

Aconitum taipeicum

Lanrun Yang, Yanni Liang and Dongbo Zhang

Co-construction Collaborative Innovation Center for Chinese Medicine Resources Industrialization by Shaanxi & Education Ministry, State Key Laboratory of Research & Development of Characteristic Qin Medicine Resources (Cultivation), Shaanxi Innovative Drug Research Center, Shaanxi University of Chinese Medicine, Xianyang 712046, P. R. China

Table of Contents	Page
Figure S1: HR-ESI-MS spectrum of 1	2
Figure S2: ¹ H NMR (400 MHz, CDCl ₃) spectrum of 1	3
Figure S3: ¹ H NMR (400 MHz, CDCl ₃) spectrum of 1 (from $\delta_{\rm H}$ 0.9 ppm to $\delta_{\rm H}$ 3.3 ppm)	4
Figure S4: ¹³ C NMR (100 MHz, CDCl ₃) spectrum of 1	5
Figure S5: ¹³ C NMR (100 MHz, CDCl ₃) spectrum of 1 (from $\delta_{\rm C}$ 10 ppm to $\delta_{\rm C}$ 80 ppm)	6
Figure S6: DEPT135 (100 MHz, CDCl ₃) spectrum of 1	7
Figure S7: DEPT135 (100 MHz, CDCl ₃) spectrum of 1 (from $\delta_{\rm C}$ 10 ppm to $\delta_{\rm C}$ 80 ppm)	8
Figure S8: ¹ H- ¹ H COSY (CDCl ₃) spectrum of 1	9
Figure S9: The enhanced ¹ H- ¹ H COSY (CDCl ₃) spectrum of 1	10
Figure S10: HSQC (CDCl ₃) spectrum of 1	11
Figure S11: The enhanced HSQC (CDCl ₃) spectrum of 1	12
Figure S12: HMBC (CDCl ₃) spectrum of 1	13
Figure S13: The enhanced HMBC (CDCl ₃) spectrum of 1	14
Figure S14: NOESY (CDCl ₃) spectrum of 1	15
Figure S15: The enhanced NOESY (CDCl ₃) spectrum of 1	16
Figure S16: IR spectrum of 1	17
Figure S17: The Scifinder similarity report for 1	18

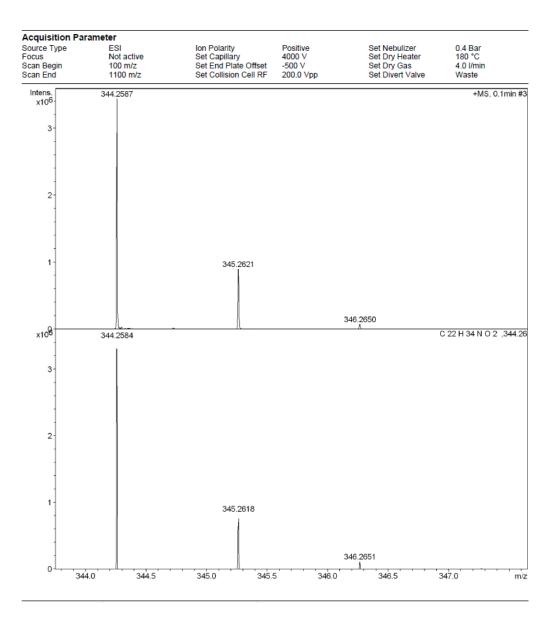


Figure S1: HR-ESI-MS spectrum of 1

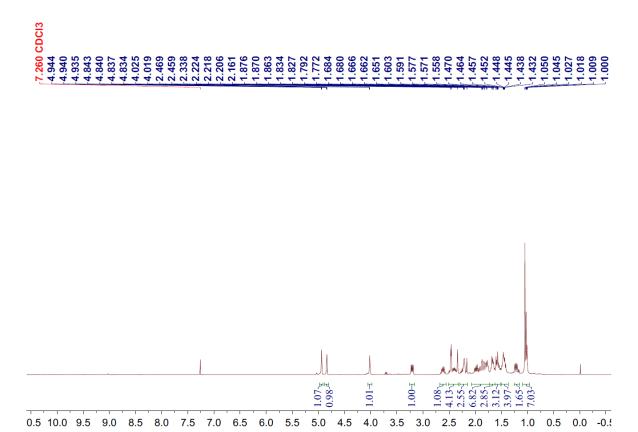


Figure S2: ¹H NMR (400 MHz, CDCl₃) spectrum of 1



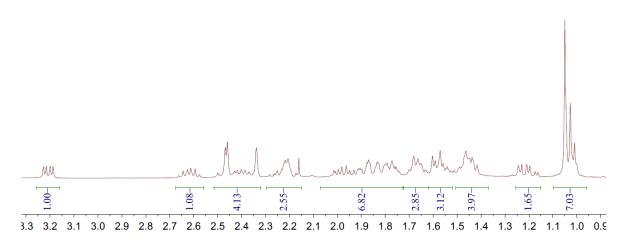


Figure S3: ¹H NMR (400 MHz, CDCl₃) spectrum of **1** (from δ_H 0.9 ppm to δ_H 3.3 ppm)



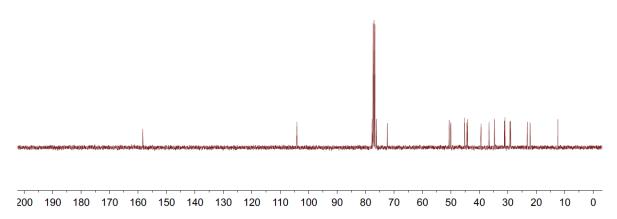
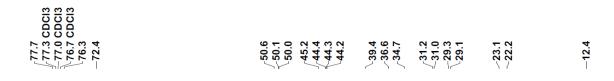


Figure S4: ¹³C NMR (100 MHz, CDCl₃) spectrum of 1



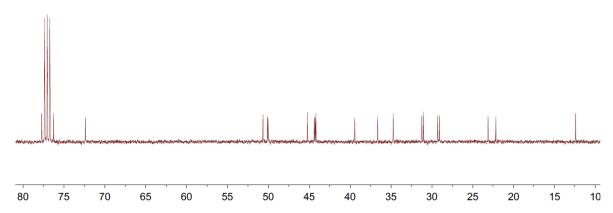


Figure S5: 13 C NMR (100 MHz, CDCl₃) spectrum o **1** (from δ_{C} 10 ppm to δ_{C} 80 ppm)

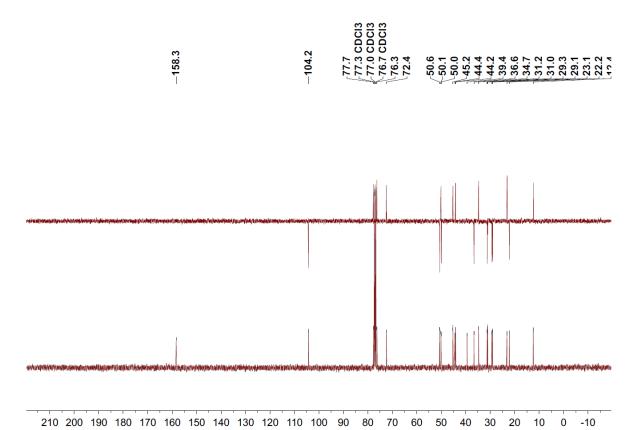


Figure S6: DEPT135 (100 MHz, CDCl₃) spectrum of 1

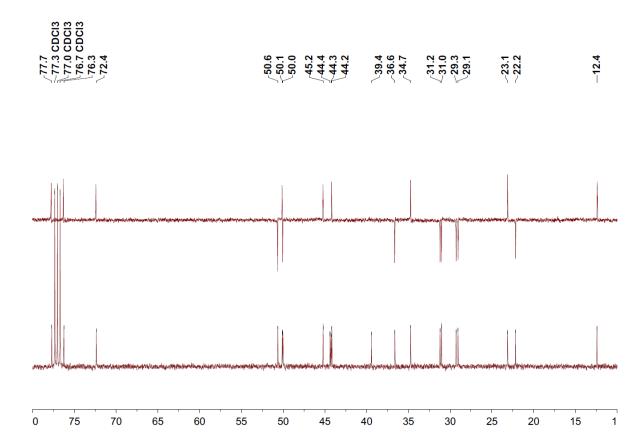


Figure S7: DEPT135 (100 MHz, CDCl₃) spectrum of **1** (from δ_C 10 ppm to δ_C 80 ppm)

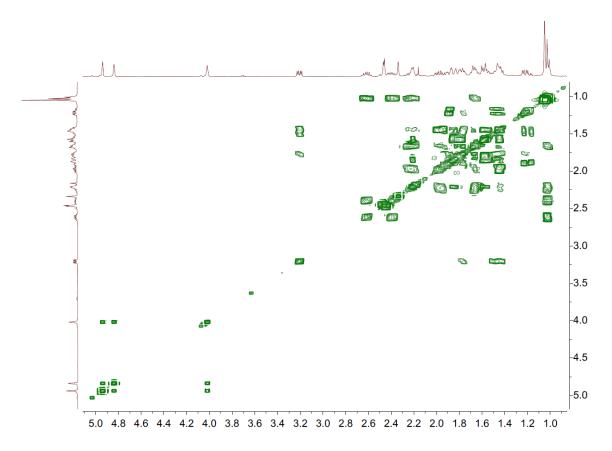


Figure S8: ${}^{1}\text{H-}{}^{1}\text{H COSY (CDCl}_{3})$ spectrum of 1

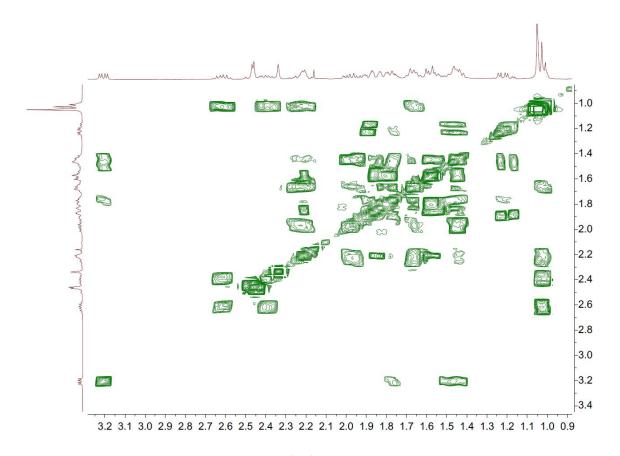


Figure S9: The enhanced ¹H-¹H COSY (CDCl₃) spectrum of 1

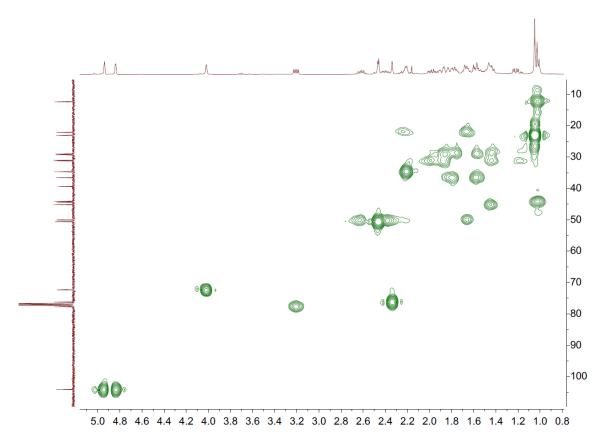


Figure S10: HSQC (CDCl $_3$) spectrum of 1

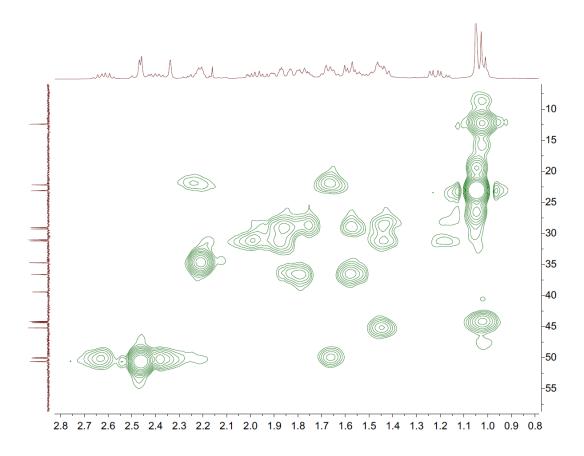


Figure S11: The enhanced $HSQC\ (CDCl_3)$ spectrum of 1

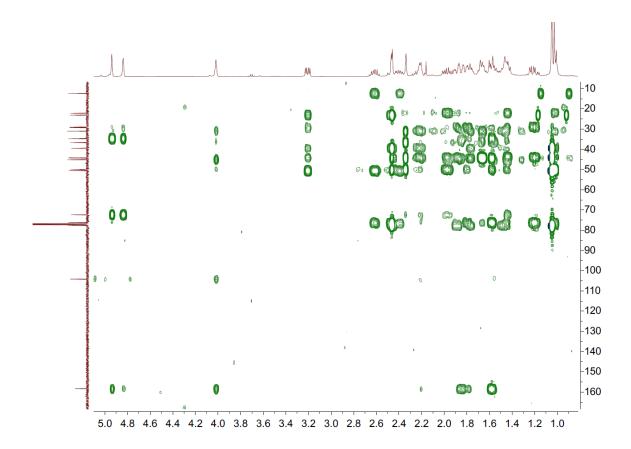


Figure S12: HMBC (CDC l_3) spectrum of 1

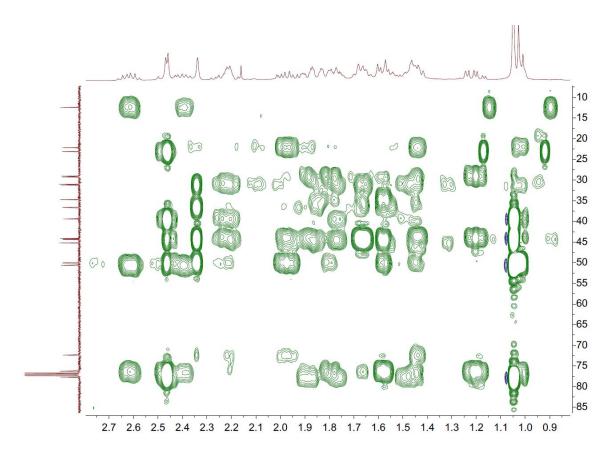


Figure S13: The enhanced HMBC (CDCl $_3$) spectrum of 1

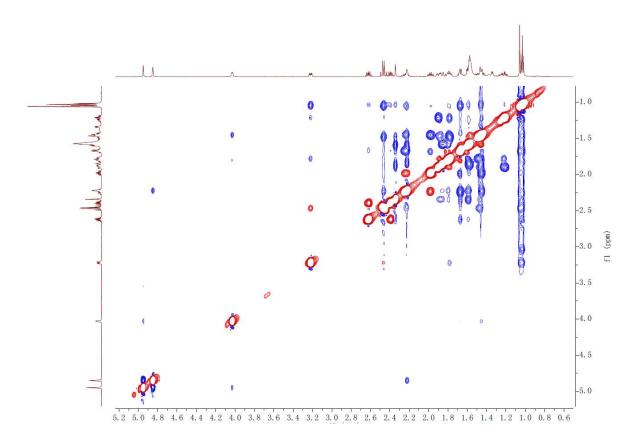


Figure S14: NOESY (CDCl $_3$) spectrum of 1

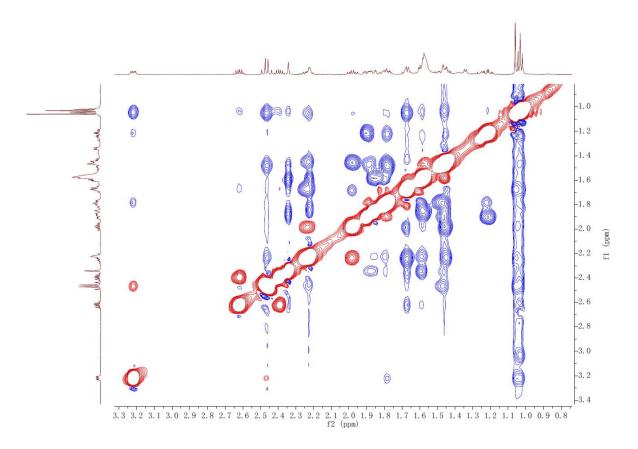
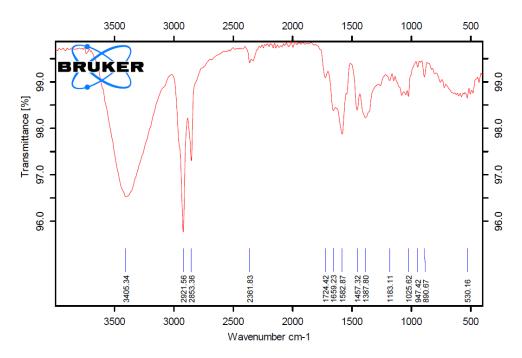


Figure S15: The enhanced NOESY (CDCl $_3$) spectrum of $\boldsymbol{1}$



SAMPLE SCANS : 16 SAMPLE : 0613-ZDB

DATE : 2025/6/13 TECHNIQUE : Instrument type and / or accessory

TIME: 9:55:04 USER: Admin

Figure S16: IR spectrum of 1

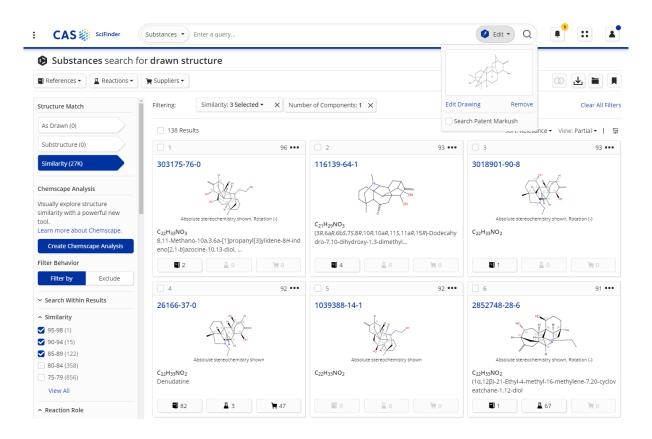


Figure S17: The Scifinder similarity report for 1