SUPPLEMENTARY MATERIAL

Two new Polyacetylene glycosides from the roots of *Codonopsis tangshen* Oliv.

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ABSTRACT

Two new polyacetylene glycosides, tangshenyne A (**1**) and tangshenyne B (**2**), along with six known polyacetylenes were isolated from an 85% MeOH extract of the roots of *Codonopsis tangshen* Oliv. The chemical structures of the new compounds were determined on the basis of extensive spectroscopic analyses, including UV, IR, 1D and 2D NMR (^1H - ^1H COSY, HSQC and HMBC) and HR-ESI-MS.

Keywords: *Codonopsis tangshen* Oliv.; polyacetylene glycosides; tangshenyne A; tangshenyne B

Supplemental file (Figure) legend

Figure S1. ^1H -NMR spectrum of Compound **1** (400 MHz, CD_3OD)

Figure S2. ^{13}C -NMR spectrum of Compound **1** (100 MHz, CD_3OD)

Figure S3. ^1H -NMR spectrum of Compound **2** (400 MHz, CD_3OD)

Figure S4. ^{13}C -NMR spectrum of Compound **2** (100 MHz, CD_3OD)

Figure S5. ^1H -NMR spectrum of Compound **3** (400 MHz, CD_3OD)

Figure S6. ^{13}C -NMR spectrum of Compound **3** (100 MHz, CD_3OD)

Figure S7. ^1H -NMR spectrum of Compound **4** (400 MHz, CD_3OD)

Figure S8. ^{13}C -NMR spectrum of Compound **4** (100 MHz, CD_3OD)

Figure S9. ^1H -NMR spectrum of Compound **5** (400 MHz, CD_3OD)

Figure S10. ^{13}C -NMR spectrum of Compound **5** (100 MHz, CD_3OD)

Figure S11. ^1H -NMR spectrum of Compound **6** (400 MHz, CD_3OD)

Figure S12. ^1H -NMR spectrum of Compound **7** (400 MHz, CD_3OD)

Figure S13. ^{13}C -NMR spectrum of Compound **7** (100 MHz, CD_3OD)

Figure S14. ^1H -NMR spectrum of Compound **8** (400 MHz, CD_3OD)

Figure S15. ^{13}C -NMR spectrum of Compound **8** (100 MHz, CD_3OD)

Figure S16. The HMBC spectrum of Compound **1**

Figure S17. The HSQC spectrum of Compound **1**

Figure S18. The ^1H - ^1H COSY spectrum of Compound **1**

Figure S19. The HRESIMS spectrum of Compound **1**

Figure S20. The HMBC spectrum of Compound **2**

Figure S21. The HSQC spectrum of Compound **2**

Figure S22. The ^1H - ^1H COSY spectrum of Compound **2**

Figure S23. The HRESIMS spectrum of Compound **2**

Figure S24 Selected HMBC (arrow) and ^1H - ^1H COSY (bold) correlations for compounds **1** and **2**

Figure S1.

Figure S2.

Figure S3.

Figure S4.

Figure S5.

Figure S6.

Figure S7.

Figure S8.

Figure S9.

Figure S10.

Figure S11.

Figure S12.

Figure S13.

Figure S14.

Figure S15.

Figure S16.

Figure S17.

Figure S18.

Figure S19.

DS-32 #50 RT: 1.05 AV: 1 NL: 2.07E8
T: + c Full ms [150.00-1500.00]

Figure S20.

Figure S21.

Figure S22.

Figure S23.

DS-32 #48 RT: 1.01 AV: 1 NL: 2.37E8
T: + c Full ms [150.00-1500.00]

Figure S24.