Iridoid glycosides from the fruits of *Cornus officinalis*

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**List of supporting information**

S1 \(^1\)H NMR spectrum of Compound 1  
S2 \(^{13}\)C NMR spectrum of Compound 1  
S3 HSQC spectrum of Compound 1  
S4 \(^1\)H-\(^1\)H COSY spectrum of Compound 1  
S5 HMBC spectrum of Compound 1  
S6 NOESY spectrum of Compound 1  
S7 HRESIMS spectrum of Compound 1  
S8 IR spectrum of Compound 1  
S9 UV spectrum of Compound 1  
S10 CD spectrum of Compound 1  
S11 \(^1\)H NMR spectrum of Compound 2  
S12 \(^{13}\)C NMR spectrum of Compound 2  
S13 HSQC spectrum of Compound 2  
S14 \(^1\)H-\(^1\)H COSY spectrum of Compound 2  
S15 HMBC spectrum of Compound 2  
S16 NOESY spectrum of Compound 2  
S17 HRESIMS spectrum of Compound 2  
S18 IR spectrum of Compound 2  
S19 UV spectrum of Compound 2  
S20 CD spectrum of Compound 2  
S21 \(^1\)H NMR spectrum of Compound 3  
S22 \(^{13}\)C NMR spectrum of Compound 3
S23 HSQC spectrum of Compound 3
S24 $^1$H-$^1$H COSY spectrum of Compound 3
S25 HMBC spectrum of Compound 3
S26 NOESY spectrum of Compound 3
S27 HRESIMS spectrum of Compound 3
S28 IR spectrum of Compound 3
S29 UV spectrum of Compound 3
S30 CD spectrum of Compound 3
S31 $^1$H NMR spectrum of Compound 4
S32 $^{13}$C NMR spectrum of Compound 4
S33 HSQC spectrum of Compound 4
S34 HMBC spectrum of Compound 4
S35 NOESY spectrum of Compound 4
S36 HRESIMS spectrum of Compound 4
S37 IR spectrum of Compound 4
S38 UV spectrum of Compound 4
S39 CD spectrum of Compound 4
S1 $^1$H NMR spectrum of Compound 1

S2 $^{13}$C NMR spectrum of Compound 1
S3 HSQC spectrum of Compound 1

S4 $^1$H-$^1$H COSY spectrum of Compound 1
S5 HMBC spectrum of Compound 1

S6 NOESY spectrum of Compound 1
Table: 

| m/z   | Theo. Mass | Delta (mmu) | RDB equiv. | Composition |
|-------|------------|-------------|------------|-------------|
| 685.20966 | 685.21029  | -0.63       | 13.5       | C32H38O15Na M+Na |

S7 HRESIMS spectrum of Compound 1

S8 IR spectrum of Compound 1

S9 UV spectrum of Compound 1
S10 CD spectrum of Compound 1

S11 $^1$H NMR spectrum of Compound 2
S12 $^{13}$C NMR spectrum of Compound 2

S13 HSQC spectrum of Compound 2
S16 NOESY spectrum of Compound 2

S17 HRESIMS spectrum of Compound 2
S18 IR spectrum of Compound 2

S19 UV spectrum of Compound 2

S20 CD spectrum of Compound 2
S21 $^1$H NMR spectrum of Compound 3

S22 $^{13}$C NMR spectrum of Compound 3
S23 HSQC spectrum of Compound 3

S24 $^1$H–$^1$H COSY spectrum of Compound 3
S25 HMBC spectrum of Compound 3

S26 NOESY spectrum of Compound 3
S27 HRESIMS spectrum of Compound 3

S28 IR spectrum of Compound 3

S29 UV spectrum of Compound 3
S30 CD spectrum of Compound 3

S31 $^1$H NMR spectrum of Compound 4
S32 $^{13}$C NMR spectrum of Compound 4

S33 HSQC spectrum of Compound 4
S34 HMBC spectrum of Compound 4

S35 NOESY spectrum of Compound 4
S36 HRESIMS spectrum of Compound 4

| m/z   | Theo. Mass | Delta (mmu) | RDB equiv. | Composition   |
|-------|------------|-------------|------------|---------------|
| 591.20453 | 591.20481  | -0.28       | 9.5        | C27 H36 O13 Na M+Na |

S37 IR spectrum of Compound 4
S38 UV spectrum of Compound 4

S39 CD spectrum of Compound 4

[Graph showing the CD spectrum with a peak at 227 nm, -9.81422 mdeg]