

Supplementary Information

A New Biflavonoid from *Schinopsis brasiliensis* (Anacardiaceae)

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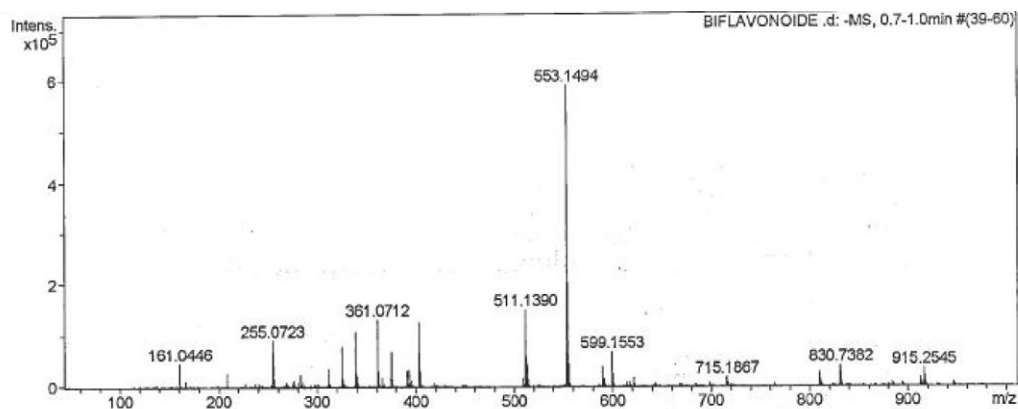


Figure S1. Negative HRESIMS of compound 1.

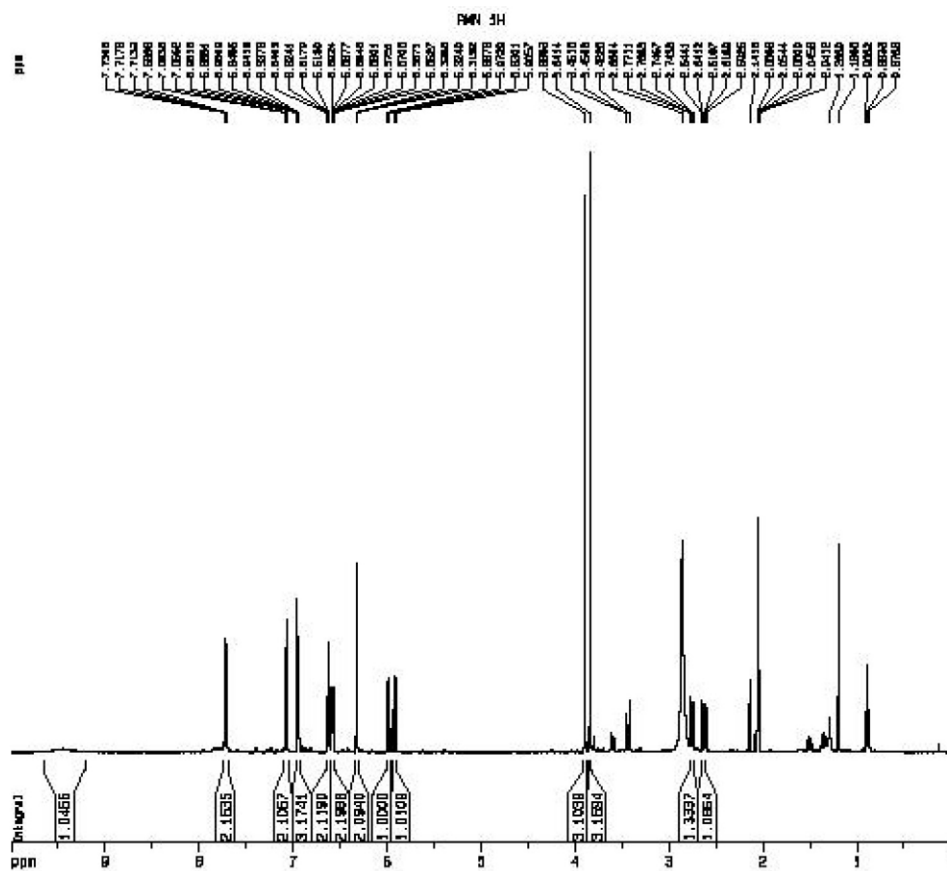


Figure S2. ^1H NMR spectrum (500 MHz, $\text{CO}(\text{CD}_3)_2$) of compound 1.

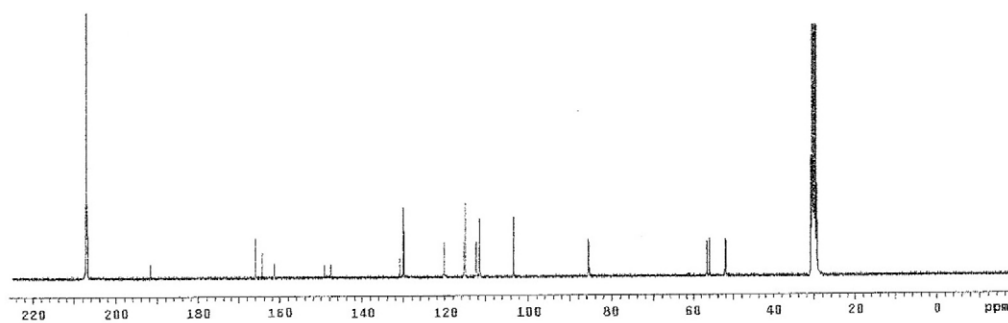


Figure S3. ^{13}C NMR spectrum (125 MHz, $\text{CO}(\text{CD}_3)_2$) of compound 1.

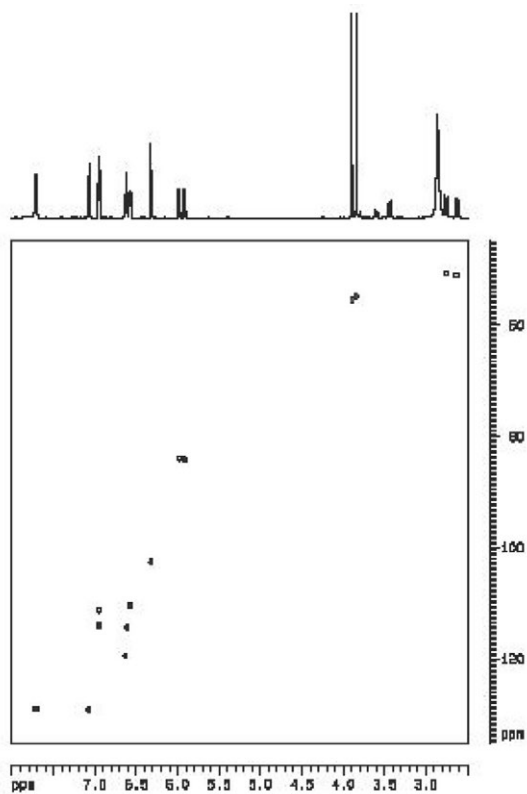


Figure S4. HSQC spectrum (500/125 MHz, $\text{CO}(\text{CD}_3)_2$) of compound **1**.

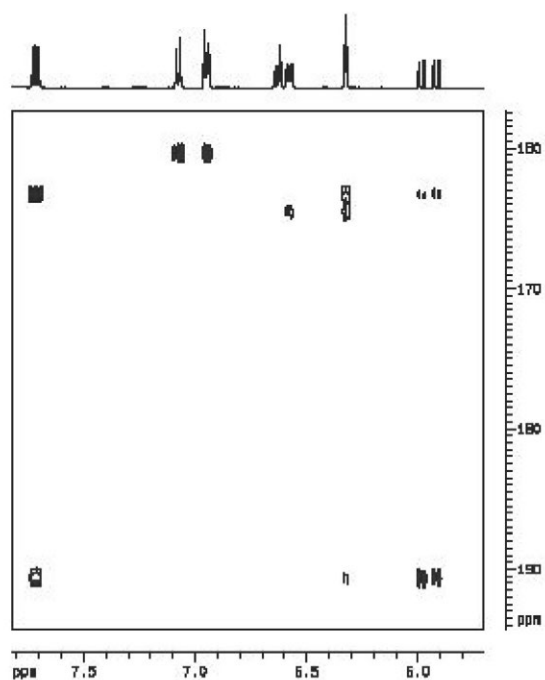


Figure S6. HMBC spectrum (500/125 MHz, $\text{CO}(\text{CD}_3)_2$) of compound **1** (expansion).

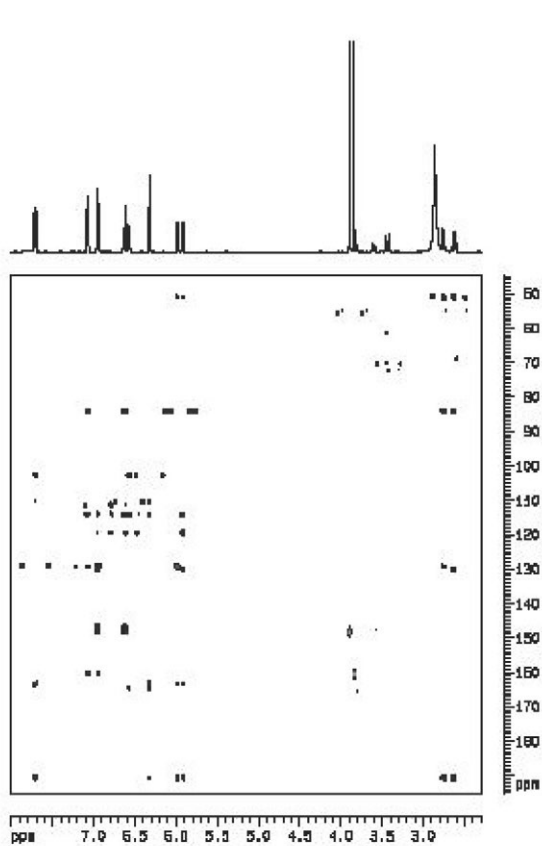


Figure S5. HMBC spectrum (500/125 MHz, $\text{CO}(\text{CD}_3)_2$) of compound **1**.

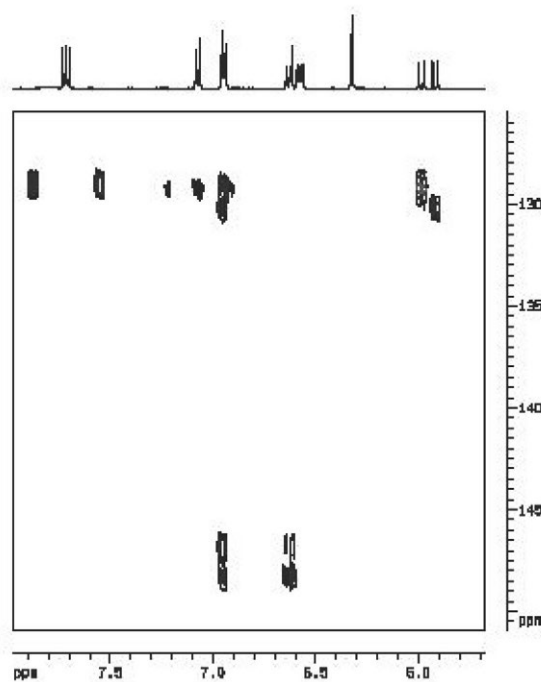


Figure S7. HMBC spectrum (500/125 MHz, $\text{CO}(\text{CD}_3)_2$) of compound **1** (expansion 2).

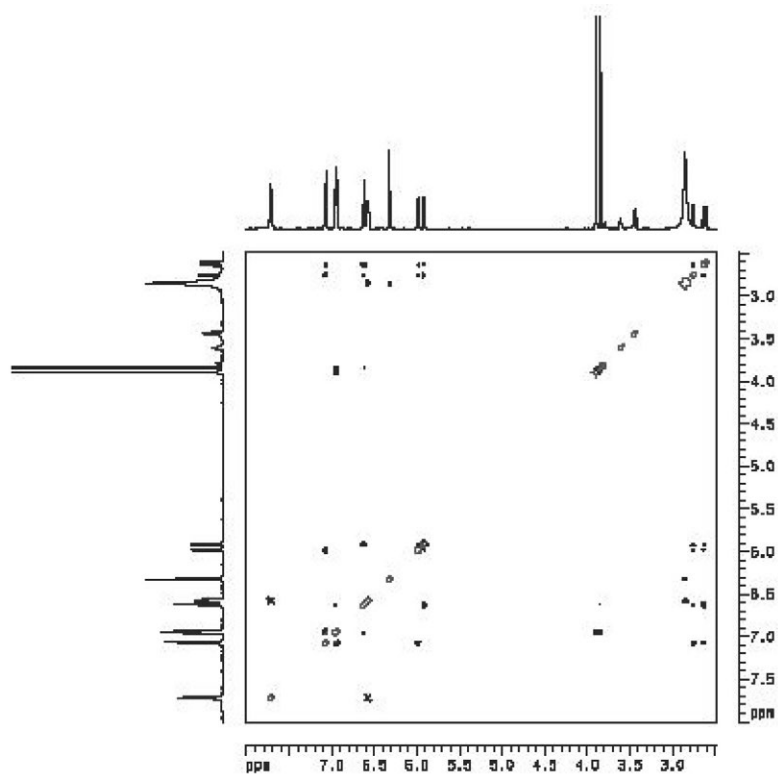


Figure S8. NOESY spectrum (500 MHz, CO(CD₂)₂) of compound 1.

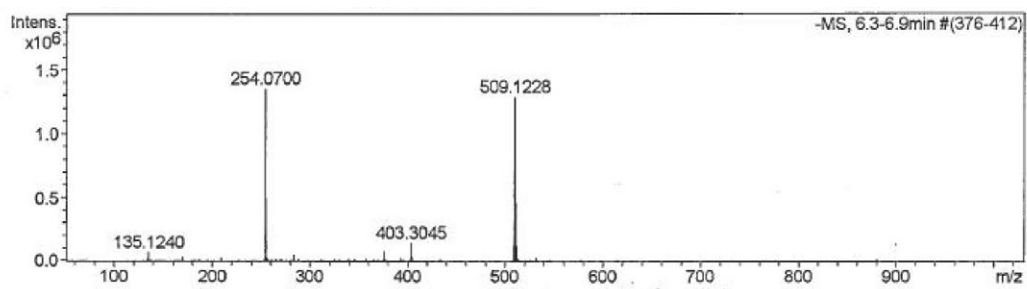


Figure S9. Negative HRESIMS of compound 2.

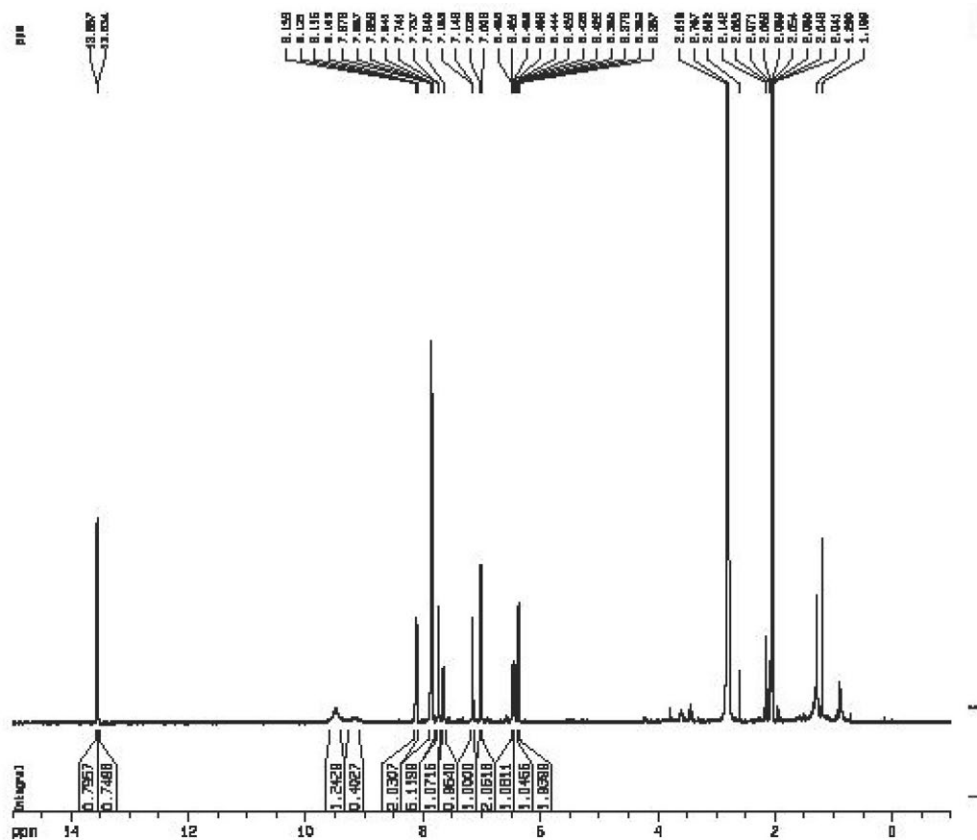


Figure S10. ^1H NMR spectrum (500 MHz, $\text{CO}(\text{CD}_3)_2$) of compound 2.

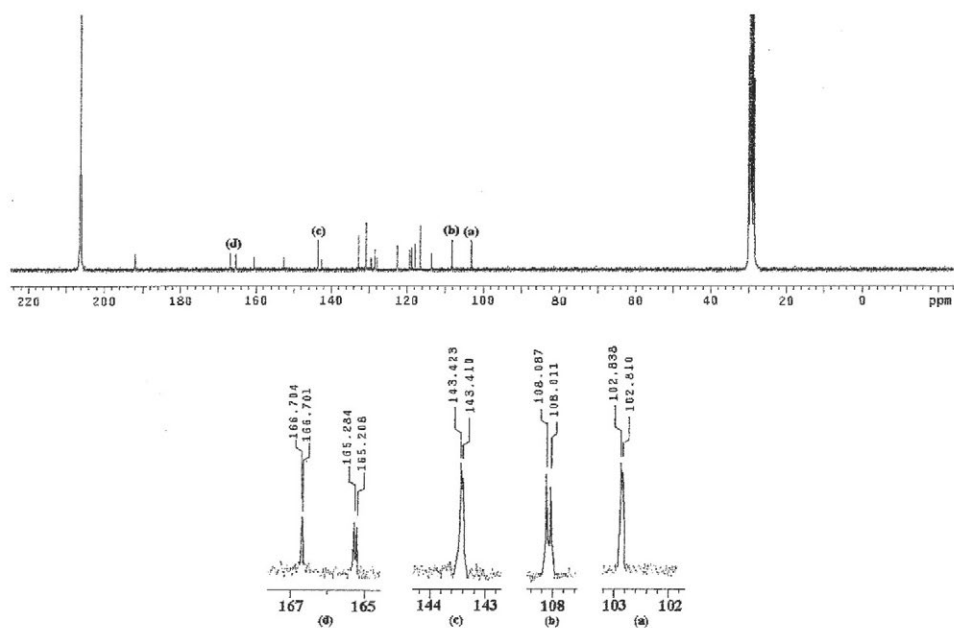


Figure S11. ^{13}C NMR spectrum (75 MHz, $\text{CO}(\text{CD}_3)_2$) of compound 2.

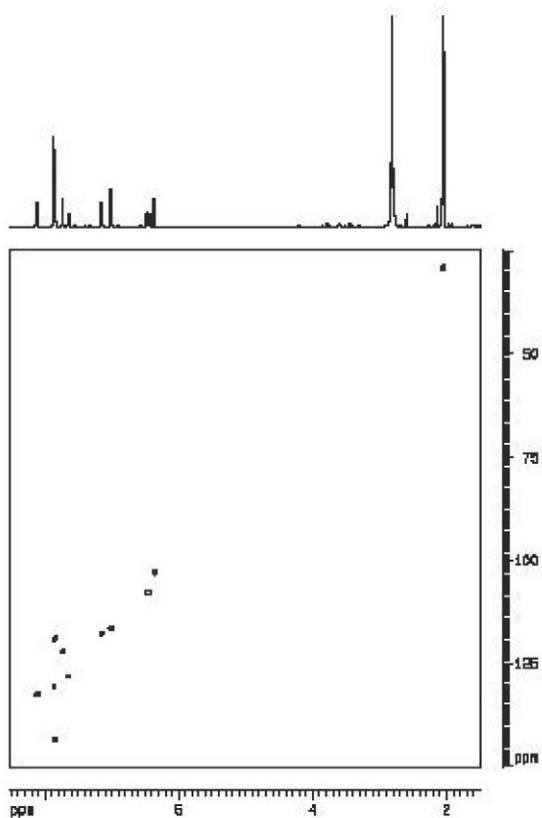


Figure S12. HSQC spectrum (500/125 MHz, $\text{CO}(\text{CD}_3)_2$) of compound 2.

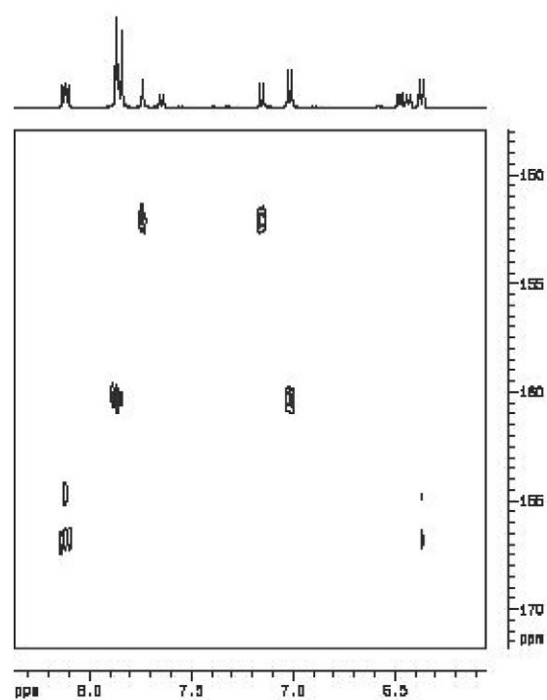


Figure S14. HMBC spectrum (500/125 MHz, $\text{CO}(\text{CD}_3)_2$) of compound 2 (expansion 1).

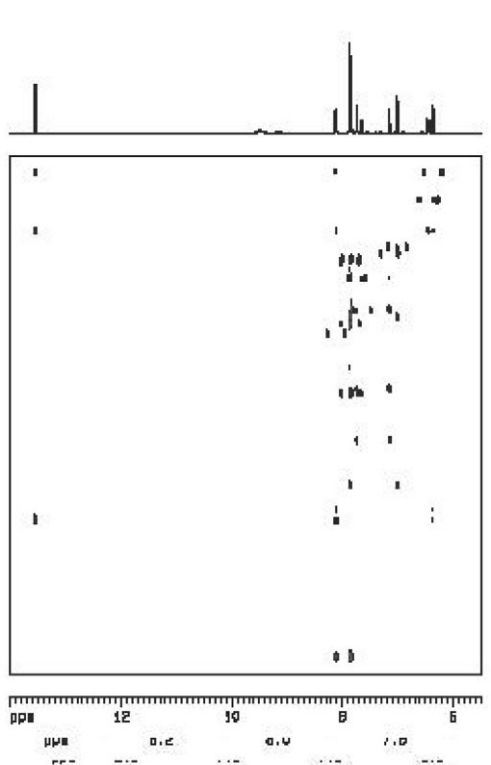


Figure S13. HMBC spectrum (500/125 MHz, $\text{CO}(\text{CD}_3)_2$) of compound 2.

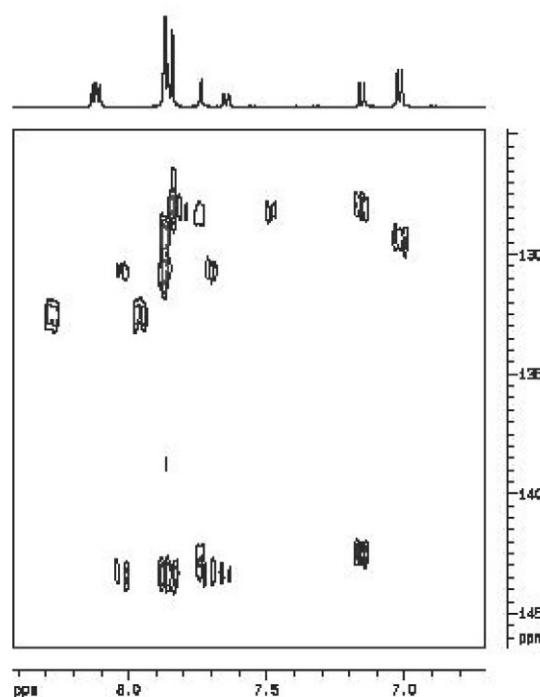


Figure S15. HMBC spectrum (500/125 MHz, $\text{CO}(\text{CD}_3)_2$) of compound 2 (expansion 2).

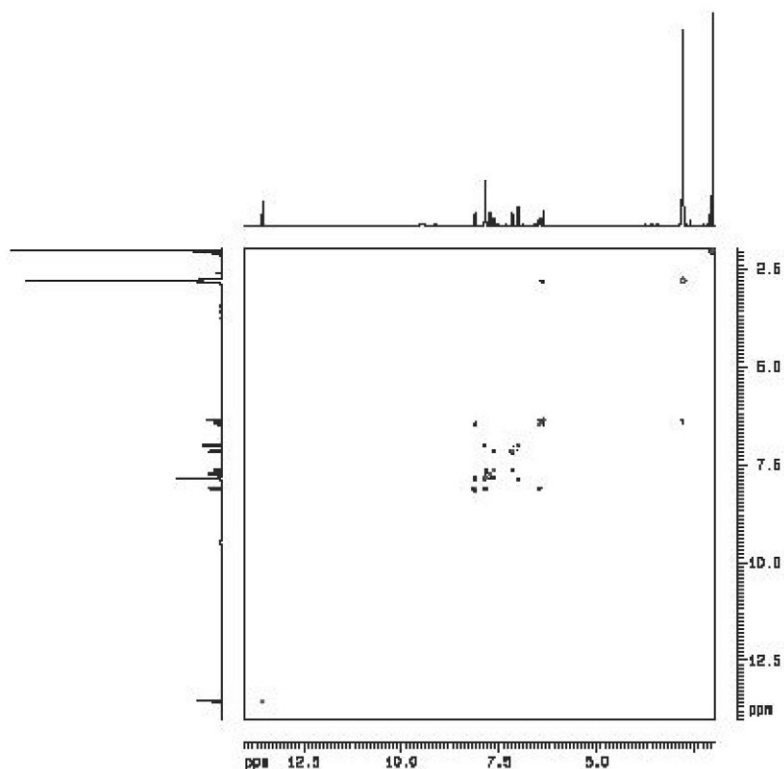


Figure S16. NOESY spectrum (500 MHz, $\text{CO}(\text{CD}_3)_2$) of compound **2**.

4,2',4'-Trihydroxychalcone-(3→O→4'')-2''',4'''-dihydroxychalcone (2**)**

Yellow solid; ^1H NMR (500 MHz, $\text{CO}(\text{CD}_3)_2$): δ_{H} 7.74 (H-2, d, J 2.0 Hz), 7.15 (H-5, d, 8.4 Hz), 7.65 (H-6, dd, J 2.0, 8.4 Hz), 6.38 (H-3', d, J 2.3 Hz), 6.43 (H-5', dd, J 2.3, 8.9 Hz), 8.11 (H-6', d, J 8.9 Hz), 7.86 (H-2'', d, J 8.6 Hz), 7.02 (H-3'', d, J 8.8 Hz), 7.02 (H-5'', d, J 8.8 Hz), 7.86 (H-6'', d, J 8.6 Hz), 6.35 (H-3''', d, J 2.3 Hz), 6.47 (H-5''', dd, J 2.3, 8.9 Hz), 8.13 (H-6''', d, J 8.9 Hz), 7.84 (H- α , d, J 13.2 Hz), 7.84 (H- β , d, J 13.2 Hz), 7.85 (H- α' , d, J 13.2 Hz), 7.86 (H- β' , d, J 13.2 Hz), 13.53 (HO-2', s) and 13.56 (HO-2'', s); ^{13}C NMR (75 MHz, $\text{CO}(\text{CD}_3)_2$): δ_{C} 127.7 (C-1), 122.3 (C-2), 142.5 (C-3), 152.4 (C-4), 117.7 (C-5), 128.2 (C-6), 113.4 (C-1'), 166.7 (C-2'), 102.8 (C-3'), 165.2 (C-4'), 108.0 (C-5'), 132.5 (C-6'), 129.2 (C-2''), 130.6 (C-2''), 116.4 (C-3''), 160.4 (C-4''), 116.4 (C-5''), 130.6 (C-6''), 113.4 (C-1'''), 166.7 (C-2'''), 102.8 (C-3'''), 165.3 (C-4'''), 108.1 (C-5'''), 132.5 (C-6'''), 118.6 (C- α), 143.4 (C- β), 119.1 (C- α'), 143.4 (C- β'), 191.8 (C=O) and 191.8 (C=O); HRESIMS m/z $[\text{M} - \text{H}]^-$ 509.1228 (calc. for $\text{C}_{30}\text{H}_{22}\text{O}_8$, 509.1236).