SUPPLEMENTARY MATERIAL

A new dimeric alkylresorcinol from the stem barks of *Swintonia floribunda* (Anacardiaceae)

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ABSTRACT

From an EtOAc-soluble fraction of the stem barks of *Swintonia floribunda* (Anacardiaceae), one new dimeric alkylresorcinol named integracin E (**1**), together with 4 known compounds (**2**–**5**) were isolated. Their chemical structures were elucidated based on the spectroscopic data interpretation. The absolute configuration of **1** was determined by the specific rotation analysis of its acid-catalyzed hydrolysis product. Compound **1** showed potent tyrosinase inhibitory activity with an IC_{50} value of 48.2 μM.

Keywords: *Swintonia floribunda*, Anacardiaceae, alkylresorcinol, tyrosinase inhibitory.

Table S1. NMR Spectroscopic Data for Compound **1** in $CDCl_3$.

	Integracin E (**1**)	
Position	δ_C, type	δ_H (*J* in Hz)
1	105.5, C	–
2	165.4, C	–
3	101.6, CH	6.29, d (2.6)
4	160.4, C	–
5	111.0, CH	6.24, d (2.6)
6	149.1, C	–
7	37.1, CH_2	2.86, dt (12.9, 7.9)
		2.81, dt (12.9, 7.9)
8	32.4, CH_2	1.53, m
9–16	29.0–29.9, CH_2	1.22–1.45
17	32.1, CH_2	1.26, m
18	22.8, CH_2	1.29, m
19	14.3, CH_3	0.88, t (6.9)
1′	146.1, C	–
2′/6′	108.2, CH	6.21, d (2.1)
3′/5′	156.8, C	–
4′	100.4, CH	6.18, brs
7′	35.9, CH_2	2.44, t (7.7)
8′	30.9, CH_2	1.53, m
9′	30.2, CH_2	1.35, m
10′, 11′	29.0–29.9, CH_2	1.22–1.45
12′	25.5, CH_2	1.36, m
13′	34.4, CH_2	1.65, m
14′	76.0, CH	5.26, m
15′	36.8, CH_2	1.65, m
16′	19.0, CH_2	1.41, m
17′	14.1, CH_3	0.94, t (7.3)
	171.7, C=O	–
2-OH	–	12.13, brs

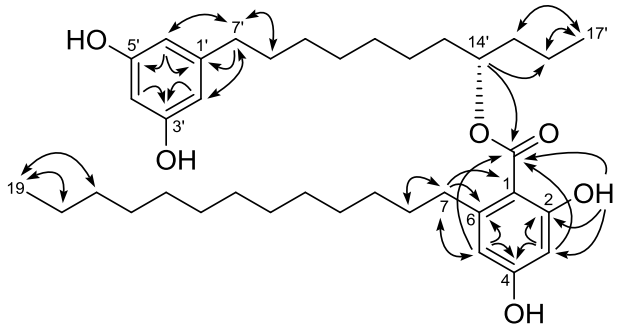

Figure S1. Significant HMBC correlations observed for compound **1**.

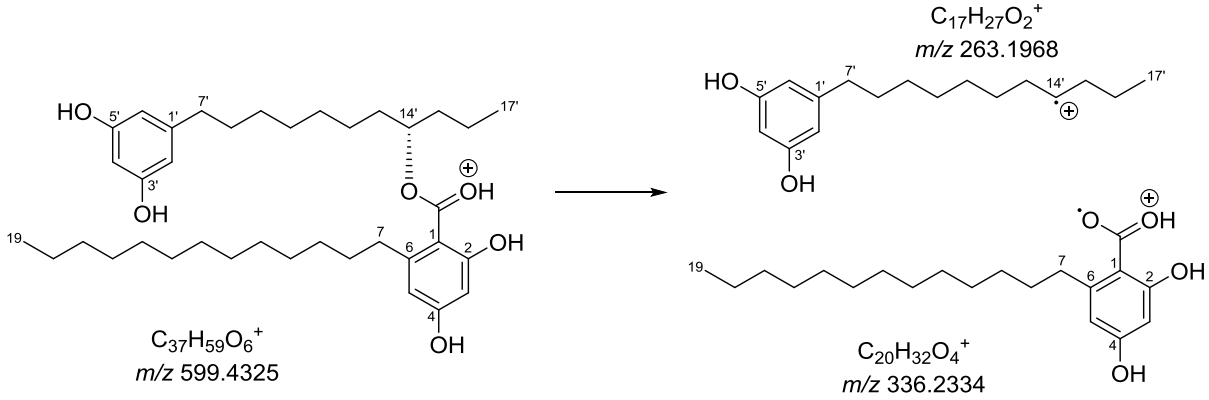

Figure S2. MS fragmentation of **1**.

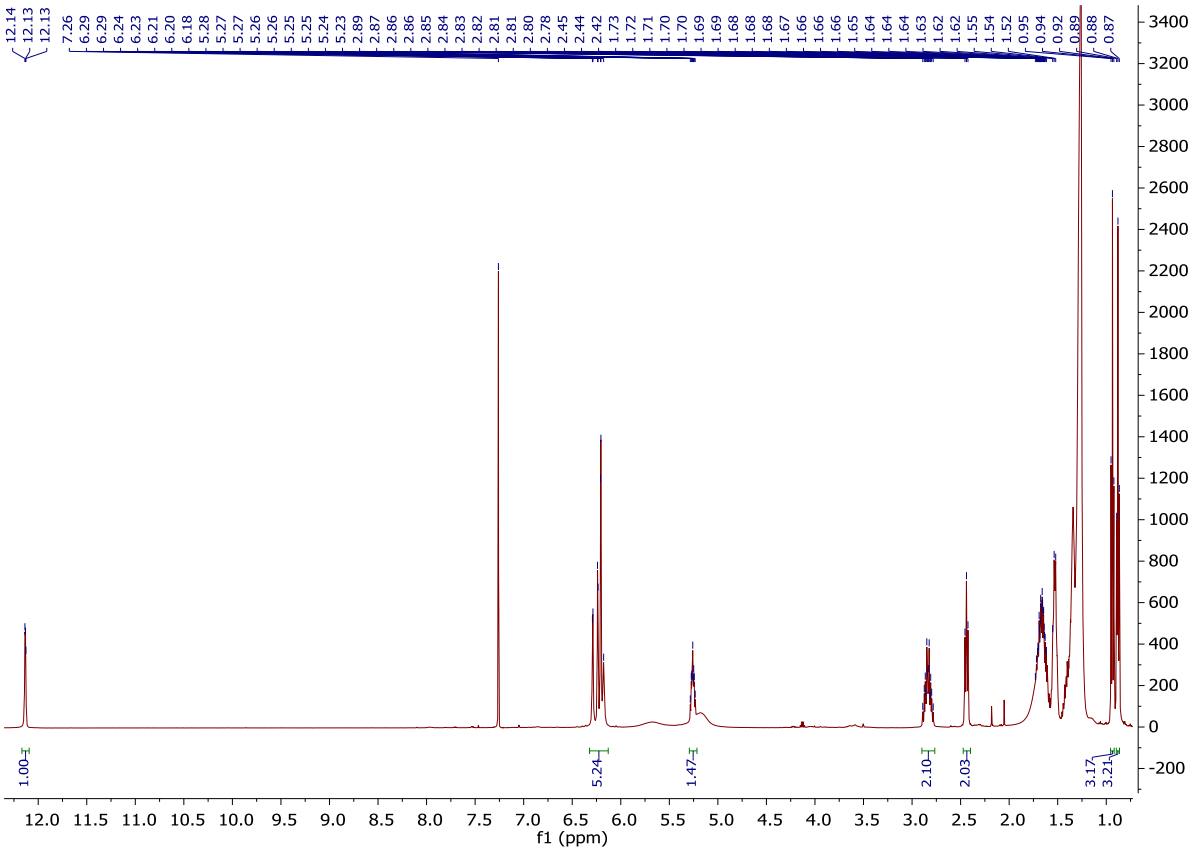

Figure S3. ^{1}H NMR spectrum of **1** (500 MHz, $CDCl_3$).

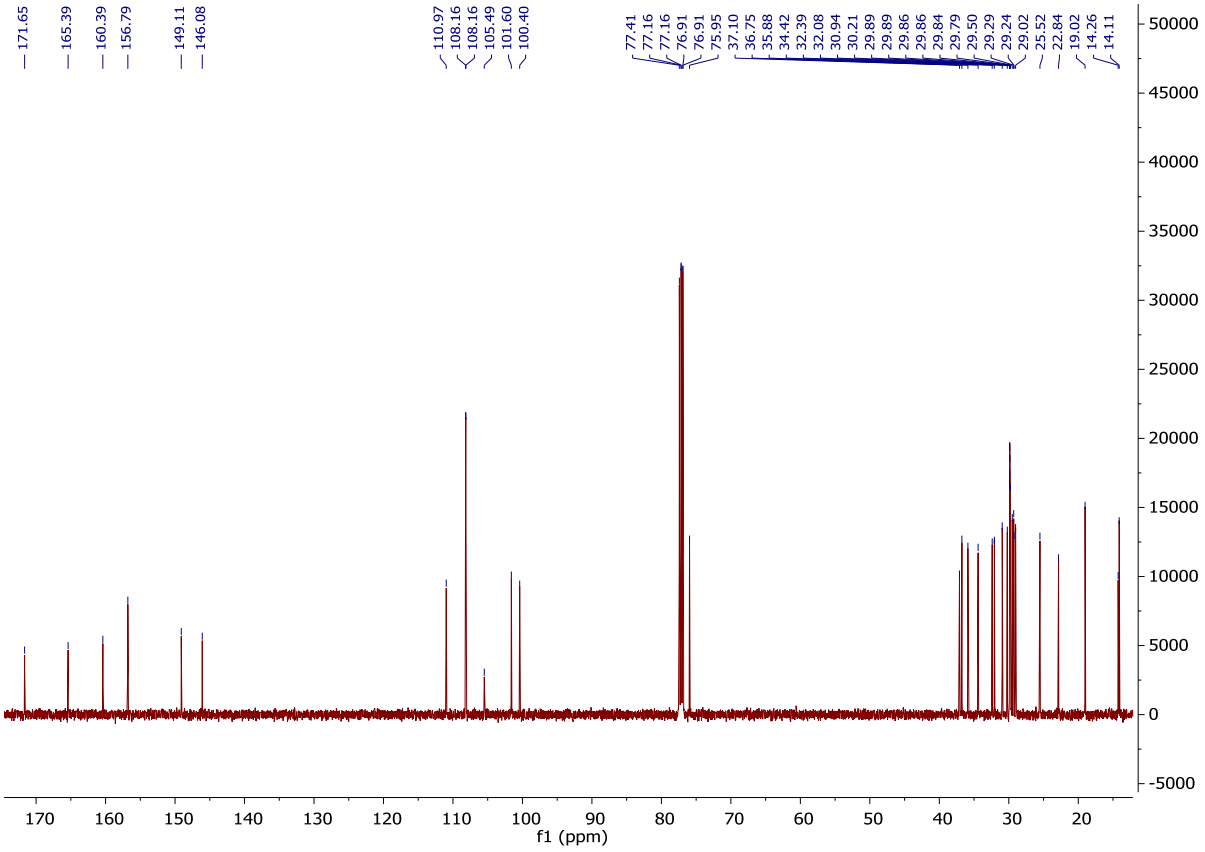

Figure S4. ^{13}C NMR spectrum of **1** (125 MHz, $CDCl_3$).

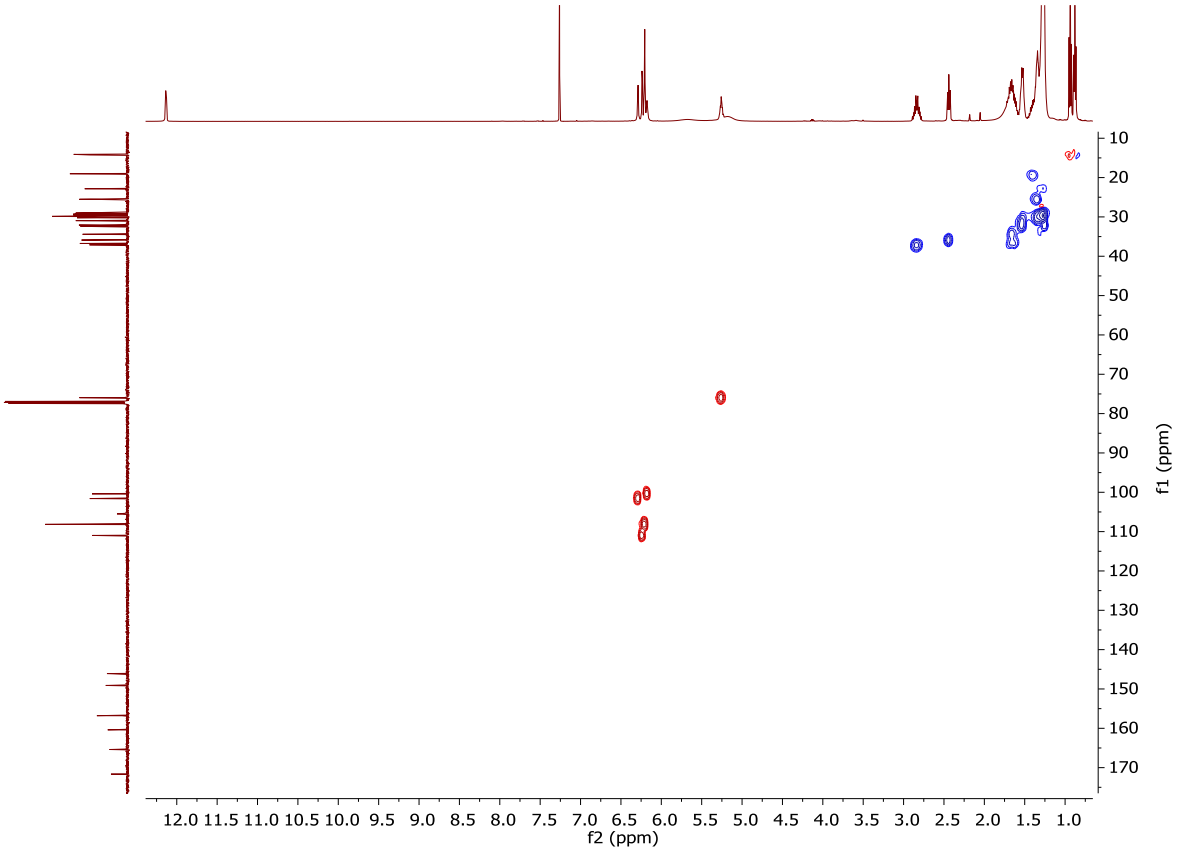

Figure S5. HSQC NMR spectrum of **1**.

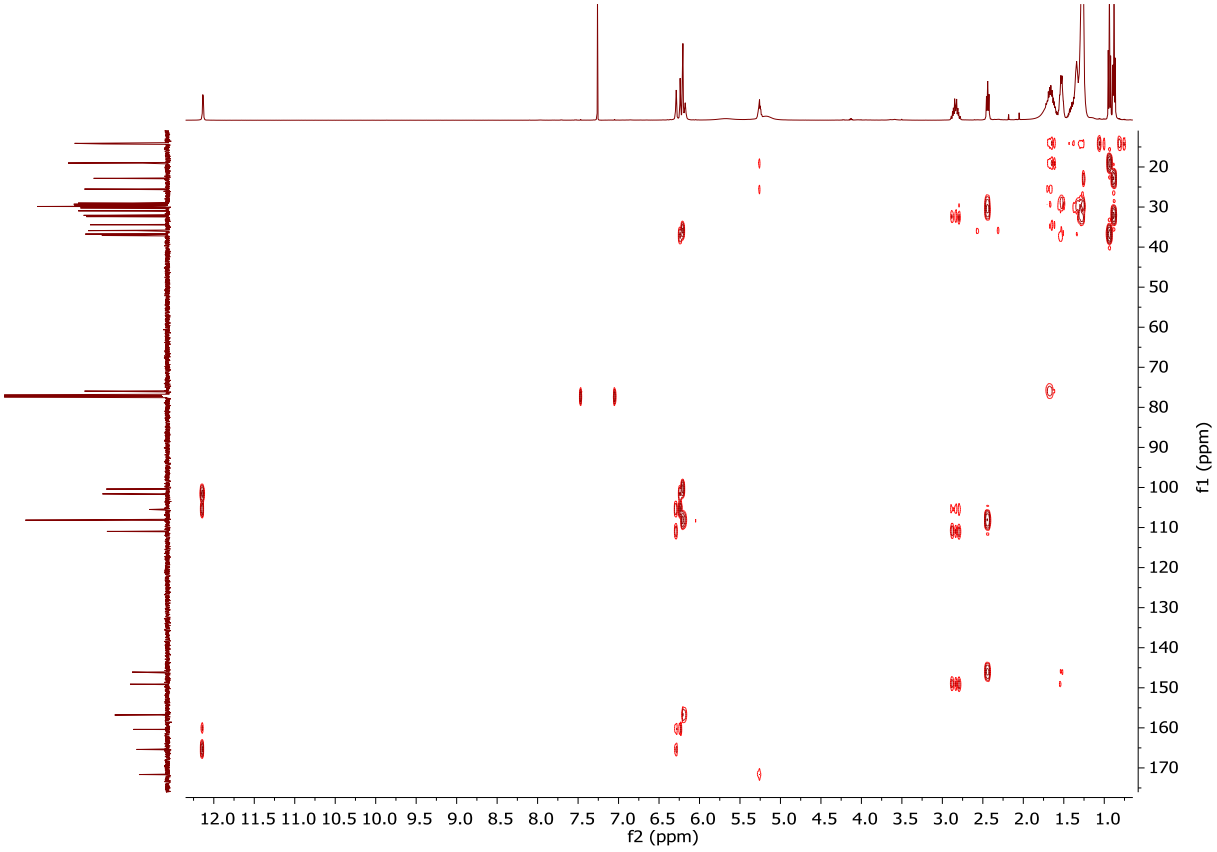

Figure S6. HMBC NMR spectrum of **1**.

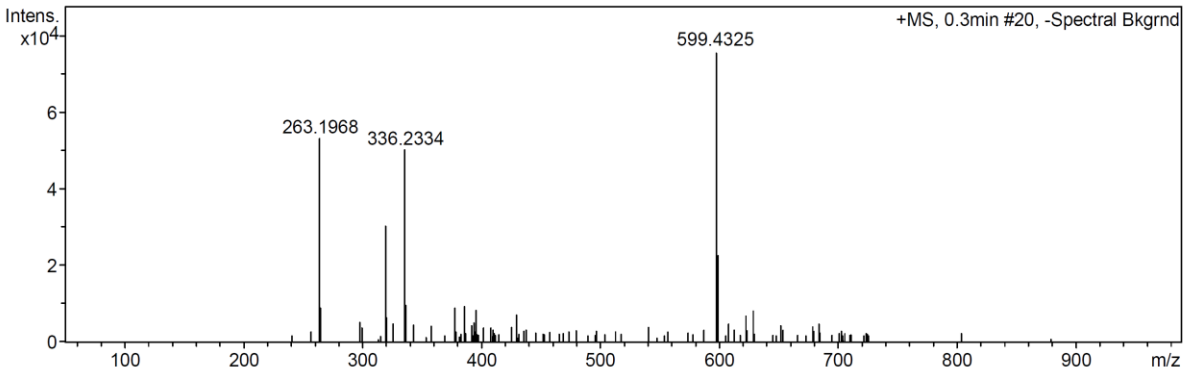

Figure S7. HRESIMS of **1**.

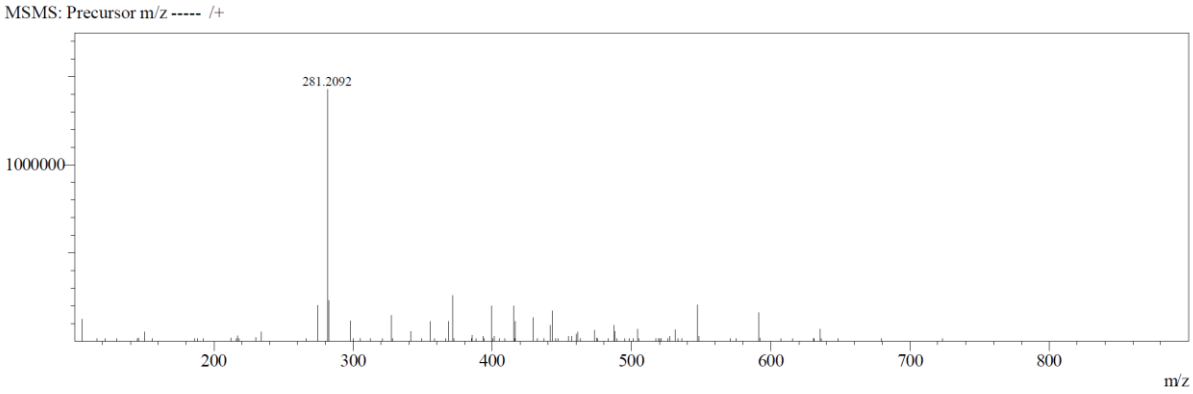

Figure S8. HRESIMS of **1a**.

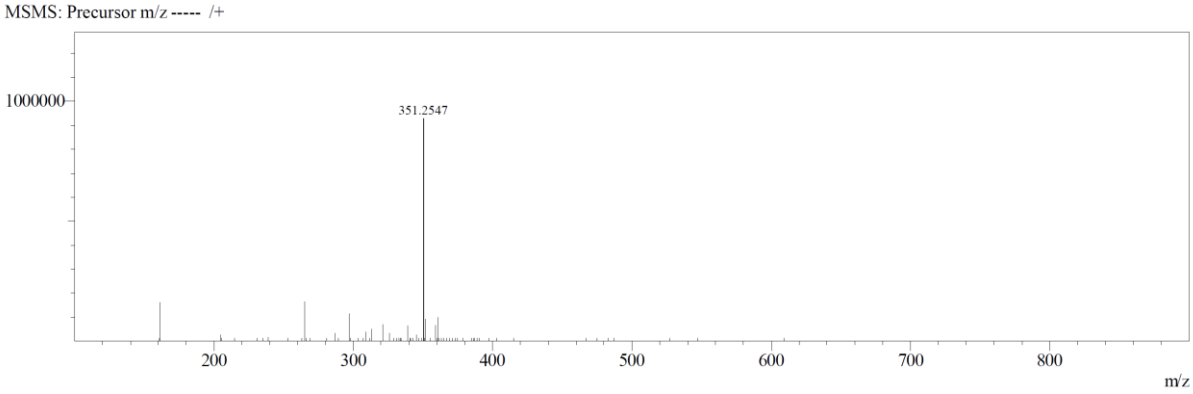

Figure S9. HRESIMS of **1b**.