

SUPPLEMENTARY DATA

ALVARADOINS A-D. ANTHRACENONE C-ARABINOSIDES FROM

ALVARADOA JAMAICENSIS

Instruments used are listed in the experimental.

Chrysophanol 1

mp 197-199°C; lit.⁵ 194-196°. IR: ν_{\max} 3423, 1675, 1627 1475, 1457 cm^{-1} ; UV λ_{\max} nm (log ϵ): 225(4.38), 256(4.12), 288(3.80) + KOH (log ϵ) 234(4.29), 284(3.72). ¹H and ¹³C NMR see Table 3. EIMS m/z (rel. int.) [M]⁺ 254(100), 237(10), 226(21), 197(15), 152(13), 115(10).

Physson 2

mp 205-207°C; lit.⁷ 210°. IR: ν_{\max} 3451, 1634, 1576, 1481, 1447 cm^{-1} ; UV λ_{\max} nm (log ϵ): 224(4.39), 254(4.07) 265(4.09), 287(4.08) + KOH (log ϵ) 237(4.21) 255(4.26), 305(3.88). ¹H and ¹³C NMR see Table 3. EIMS m/z (rel. int.) [M]⁺ 284(100), 255(18.9), 241(17), 226(11), 213(12), 185(9), 128(10).

Table 3. NMR Data for Chrysophanol 1 and Physcion 2

(CDCl₃, *J* values are given in Hz in parentheses)

Position	Chrysophanol 1		Physcion 2	
	¹³ C	¹ H	¹³ C	¹ H
1	161.9		162.5	
1a	113.3		113.7	
2	124.0	7.08, <i>br. s</i>	124.5	7.10, <i>br. s</i>
3	149.0		148.4	
4	120.9	7.70, <i>br. s</i>	121.3	7.65, <i>br. s</i>
4a	132.8		133.2	
5	119.5	7.80, <i>dd</i> , (7.4, 1.5)	106.8	7.40, <i>d</i> , (2.5)
5a	133.2		135.2	
6	136.6	7.67, <i>dd</i> , (7.4, 8.4)	166.5	
7	124.2	7.28, <i>dd</i> , (8.4, 1.5)	108.2	6.71, <i>d</i> , (2.5)
8	162.2		165.2	
8a	115.5		110.3	
9	192.0		190.8	
10	181.5		182.0	
11	22.0	2.47, <i>s</i>	22.1	2.40, <i>s</i>
12			56.0	3.90, <i>s</i>
1-OH		11.99, <i>s</i>		12.15, <i>s</i>
8-OH		12.10, <i>s</i>		12.34, <i>s</i>