



SUPPLEMENTARY MATERIAL TO
**Two new jatrophane diterpenes from the roots of
*Euphorbia nicaeensis***

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TABLE S-I. Elution mode for the dry flash column chromatography, eluent volume 250 mL

Fraction number	Eluent composition petroleum ether/acetone (V/V)
1	100/0
2	90/10
3	85/15
4	80/20
5	70/30
6	60/40
7	50/50
8	40/60
9	20/80
10	0/100

TABLE S-II. ¹H (500 MHz) and ¹³C NMR (125 MHz) data for compounds 1–2 (CDCl₃, TMS)

Position	δ / ppm, (J / Hz)			
	1		2	
	¹ H	¹³ C	¹ H	¹³ C
1 α	3.95 d (17.0)	46.03	3.97 d (17.7)	46.83
1 β	2.56 d (17.0)		2.57 d (17.7)	
2	-	91.30	-	89.70
3	4.71 brs	77.92	6.01 d (4.0)	77.5 ^b
4	2.85 d (3.0)	47.79	3.26 t (6.0)	47.94
5	5.55 brs	73.94	5.77 d (6.0)	73.02
6	-	140.78	-	138.68

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Position	1		2	
	$\delta / \text{ppm}, (J / \text{Hz})$			
	^1H	^{13}C	^1H	^{13}C
7	4.97 d (11.0)	76.78	2.32 d (7.0)	33.71
8 α	2.43 dd (15.0; 11.0)	32.21	-	75.58
8 β	2.02 d (15.0)		5.13 t (7.0)	
9	-	208.29	-	208.41
10	-	47.98	-	47.94 ^c
11	5.22 d (16.0)	135.48	5.38 d (16.0)	135.85
12	5.54 dd (16.0; 10.0)	133.22	5.49 dd (16.0; 10.0)	133.44 ^c
13	3.60 dq (10.0; 7.0)	43.93	3.58 m	43.45
14	-	204.69	-	203.74
15	-	91.83	-	91.09
16	1.88 s	18.58	1.72 s	19.06
17a	5.33 brs	116.48	5.26 brs	121.04
17b	5.41 brs		5.38 brs	
18	0.65 s	26.91	0.88 s	27.28
19	1.10 s	23.29	1.10 s	23.34
20	1.22 d (7.0)	18.33	1.20 d (7.0)	18.30
2-OR ₁				
1'	-	169.55	-	165.20
2'	1.75 s	20.92	-	130.29 ^a
3'	-	-	8.12 d (7.4)	129.91
4'	-	-	7.56 m	129.31
5'	-	-	7.62 m	134.05
3-OR ₂				
1''	-	-	-	169.50
2''	-	-	2.07 s	21.32
5-OR ₃				
1'''	-	163.90	-	165.64
2'''	-	129.45 ^a	-	130.36 ^a
3'''	8.02 d (7.0)	129.50	7.98 d (7.4)	129.79
4'''	7.52 m	129.24 ^a	7.45 m	128.69
5'''	7.62 m	129.34 ^a	7.57 m	133.55
7-OR ₄				
1 ^{iv}	-	170.28	-	-
2 ^{iv}	2.18 s	20.86	-	-
8-OR ₅				
1 ^v	-	-	-	170.57
2 ^v	-	-	1.72 s	20.30
15-OR ₆				
1 ^{vi}	-	165.96	-	169.77
2 ^{vi}	-	130.04 ^a	1.99 s	21.14
3 ^{vi}	8.10 d (7.0)	130.69	-	-
4 ^{vi}	7.56 m	133.85 ^a	-	-
5 ^{vi}	7.62 m	133.94 ^a	-	-

^aUncertain assignment; ^bdata obtained from the HSQC spectrum; ^cdata obtained from the HMBC spectrum

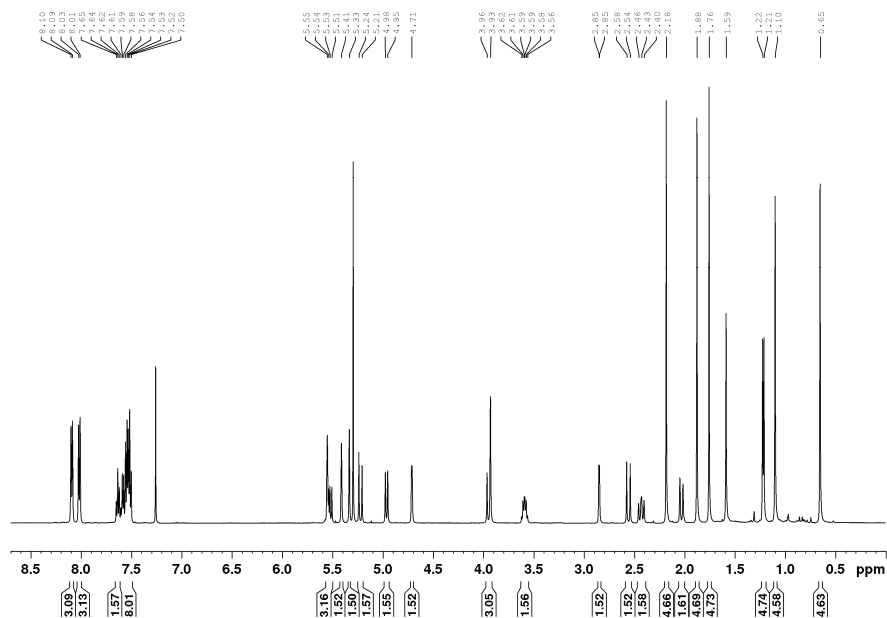


Fig. S-1. ¹H NMR spectrum of compound 1

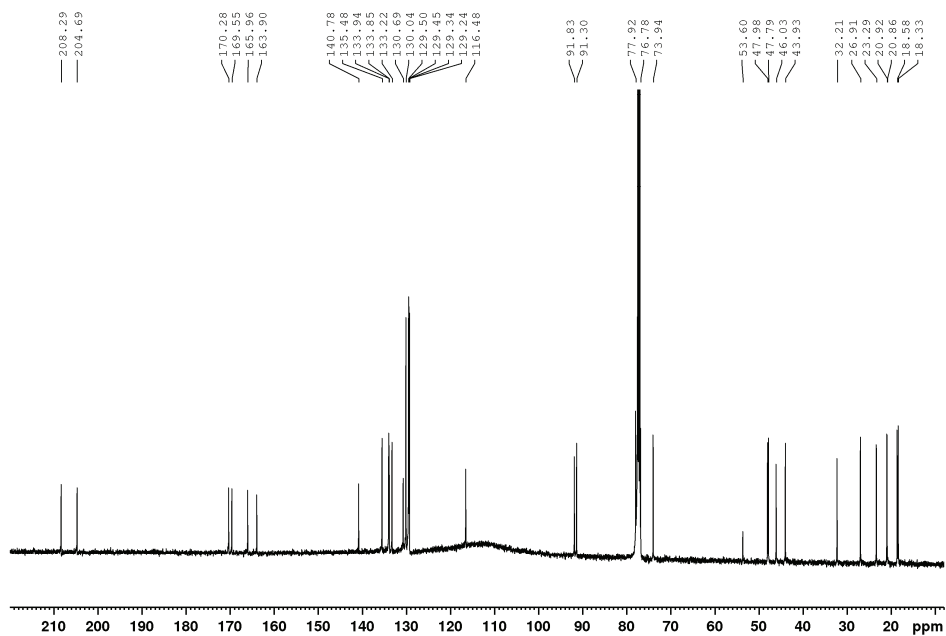


Fig. S-2. ¹³C NMR spectrum of compound 1

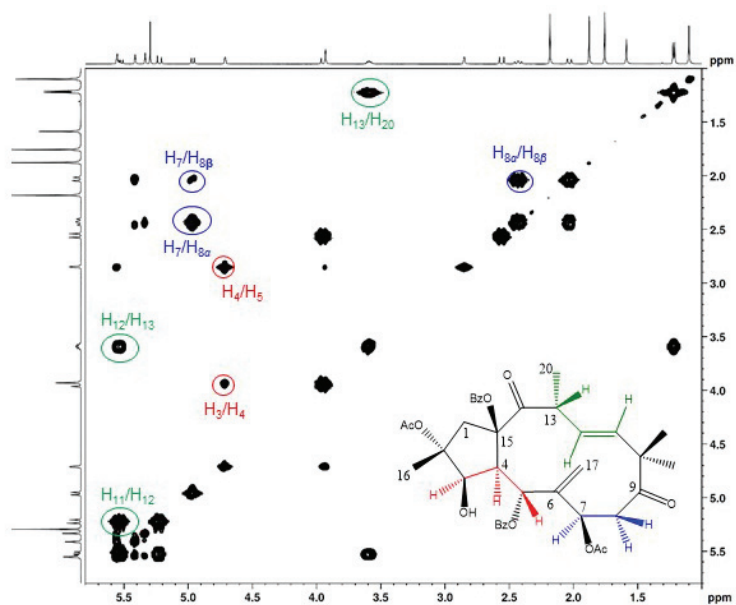


Fig. S-3. COSY spectrum of compound 1

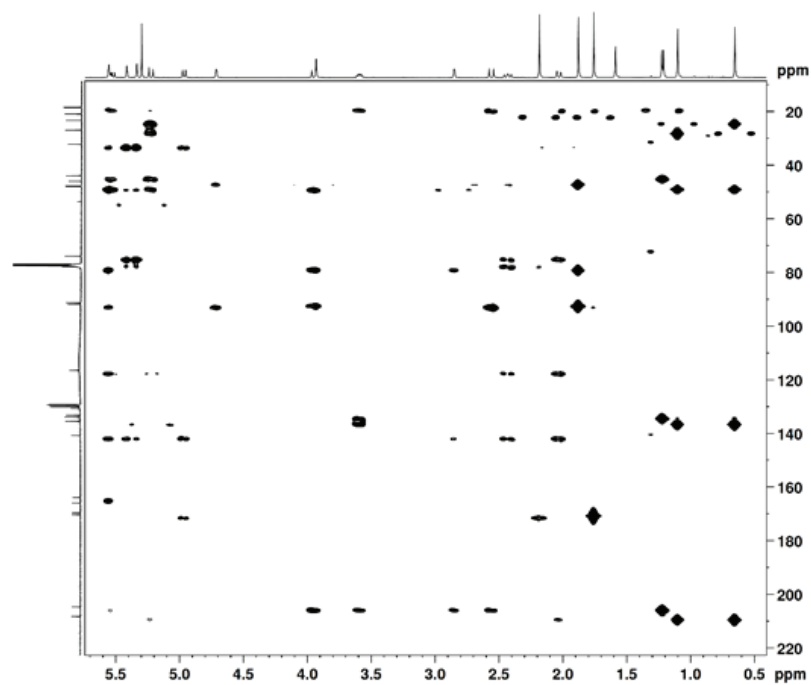


Fig. S-4. HMBC spectrum of compound 1

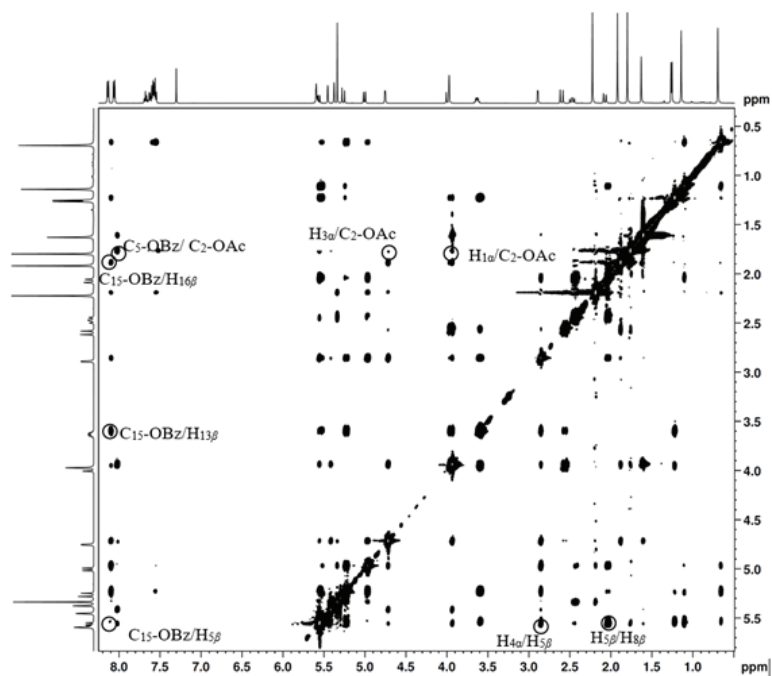


Fig. S-5. NOESY spectrum of compound 1

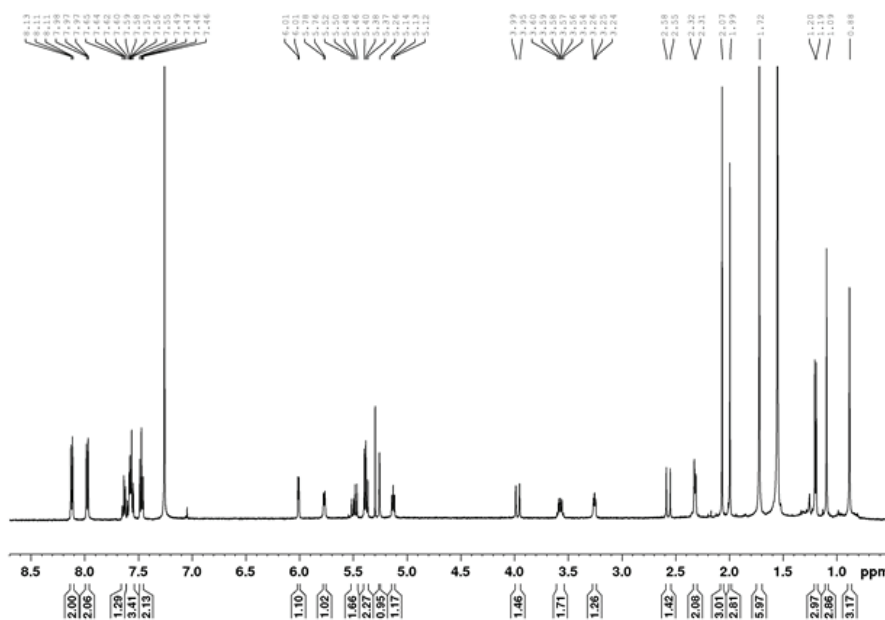


Fig. S-6. ¹H NMR spectrum of compound 2

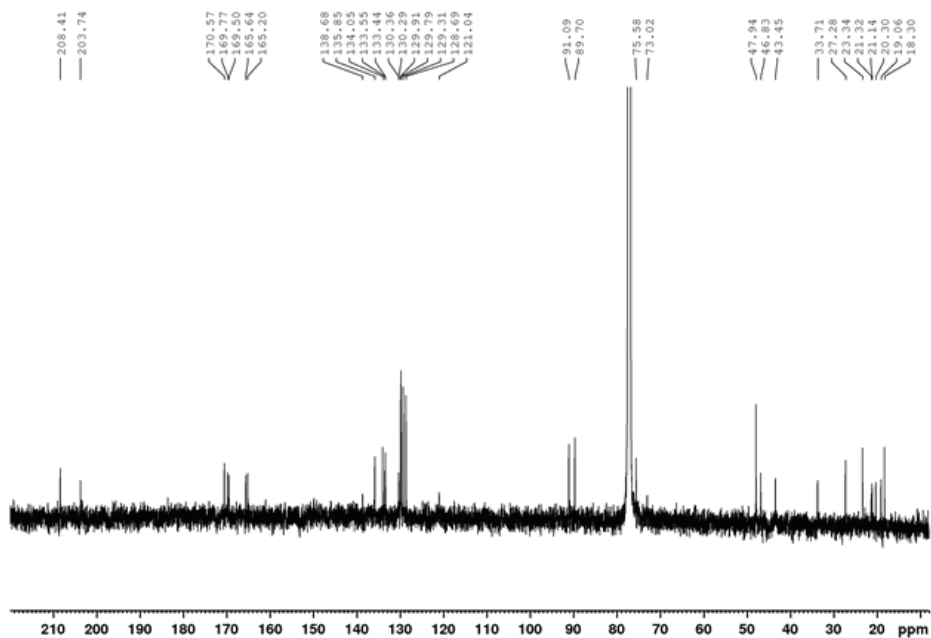
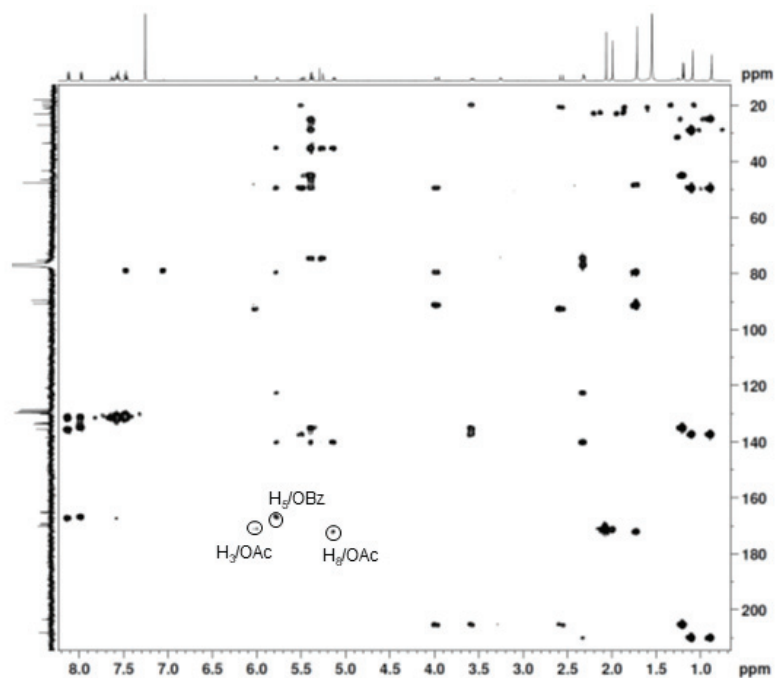
Fig. S-7. ^{13}C NMR spectrum of compound 2

Fig. S-8. HMBC spectrum of compound 2

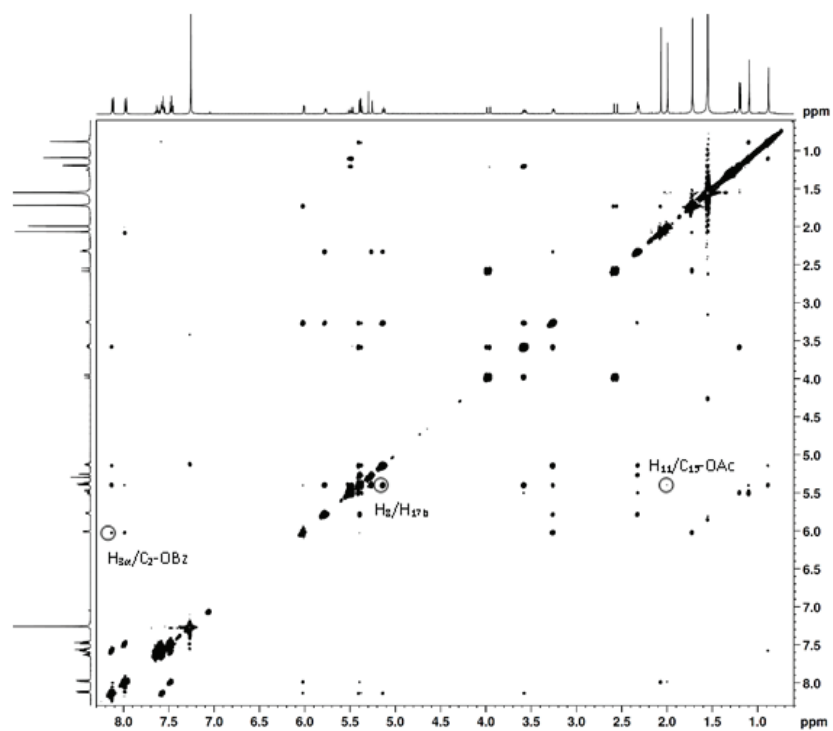


Fig. S-9. NOESY spectrum of compound 2.