Supporting Information

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Analgesic Potential of *Opuntia dillenii* and Its Compounds Opuntiol and Opuntioside Against Pain Models in Mice

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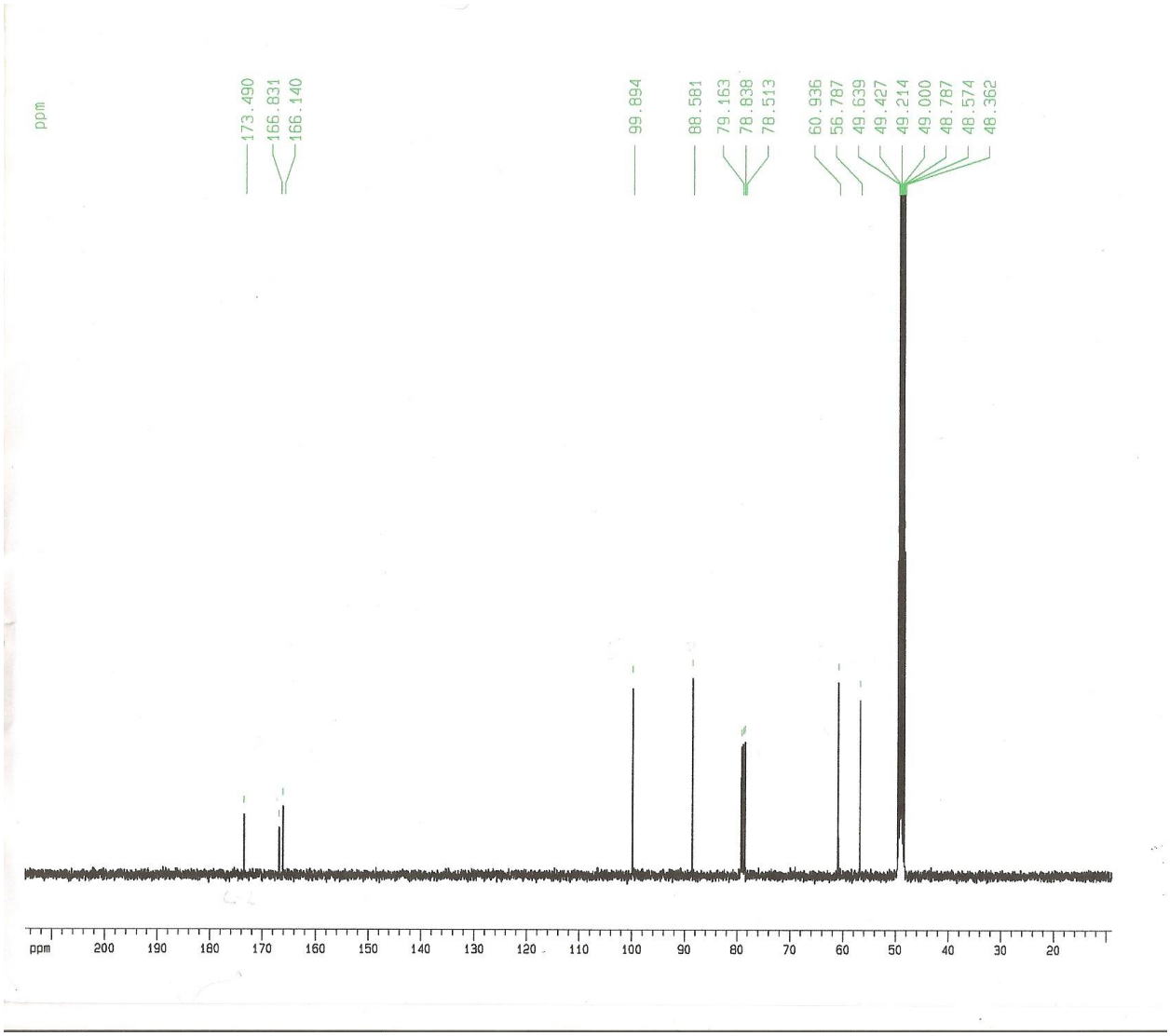
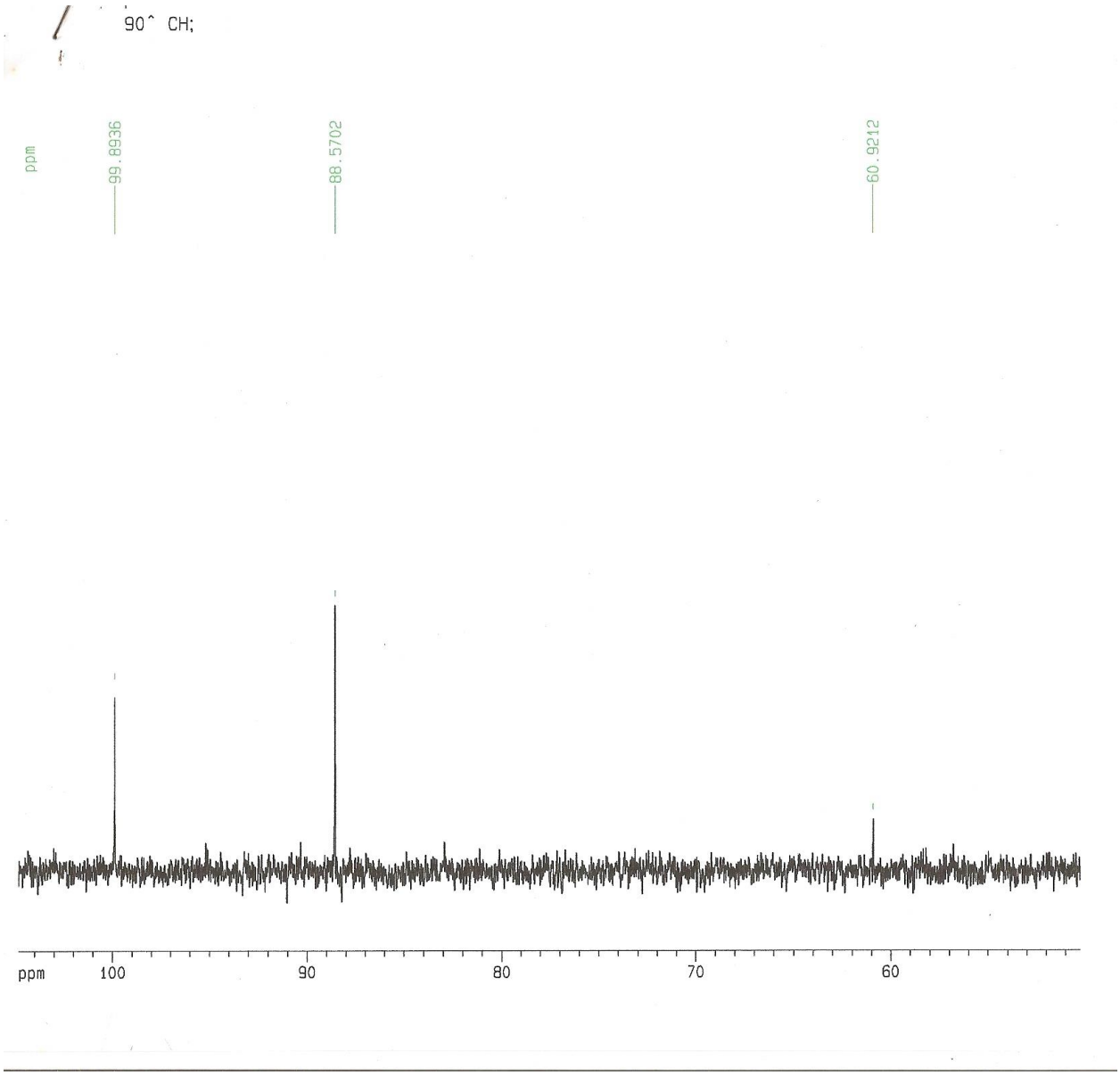


S1: Opuntiol C-13 NMR, $CDCl_3$ + CD_3OD



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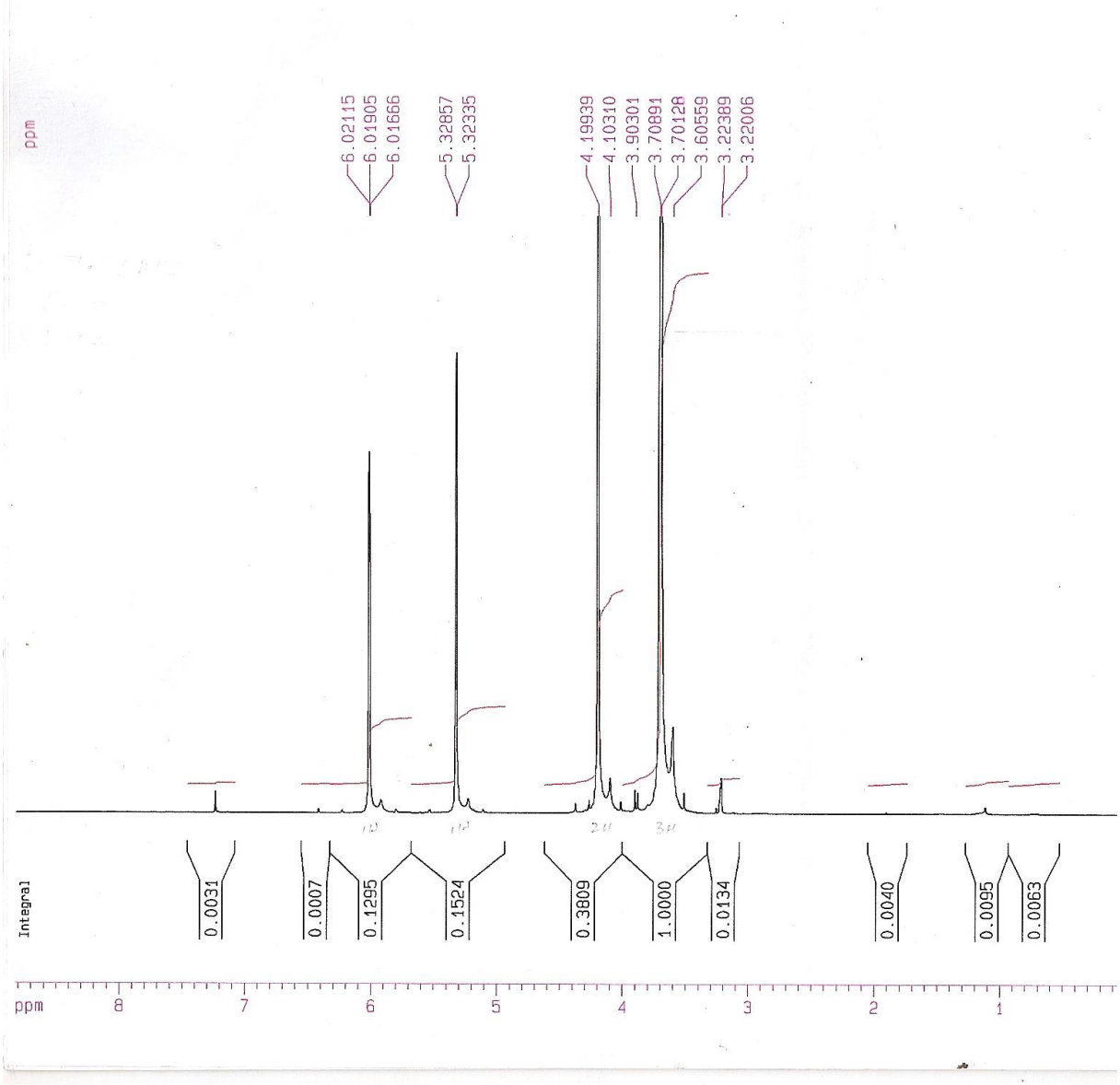
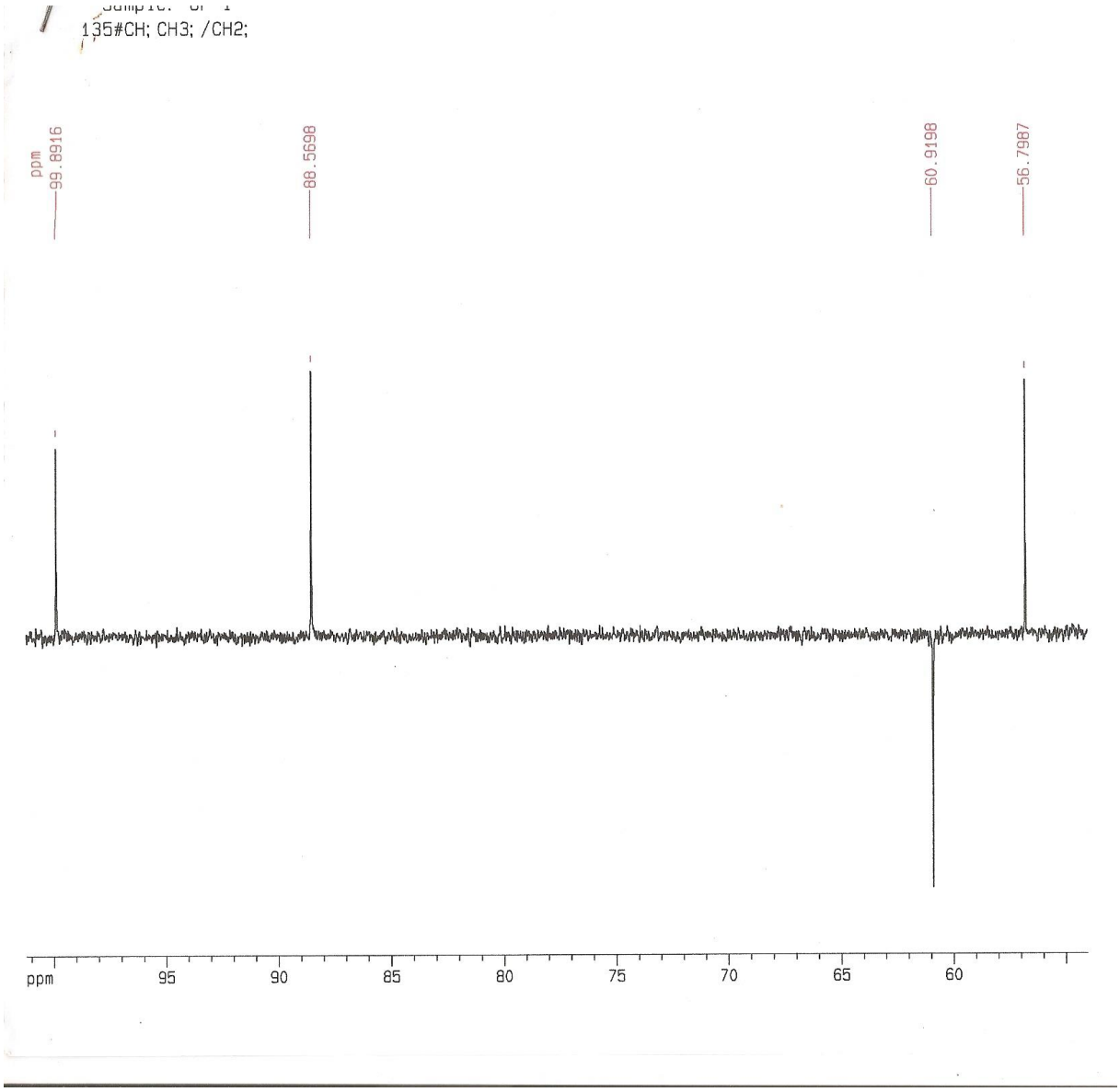
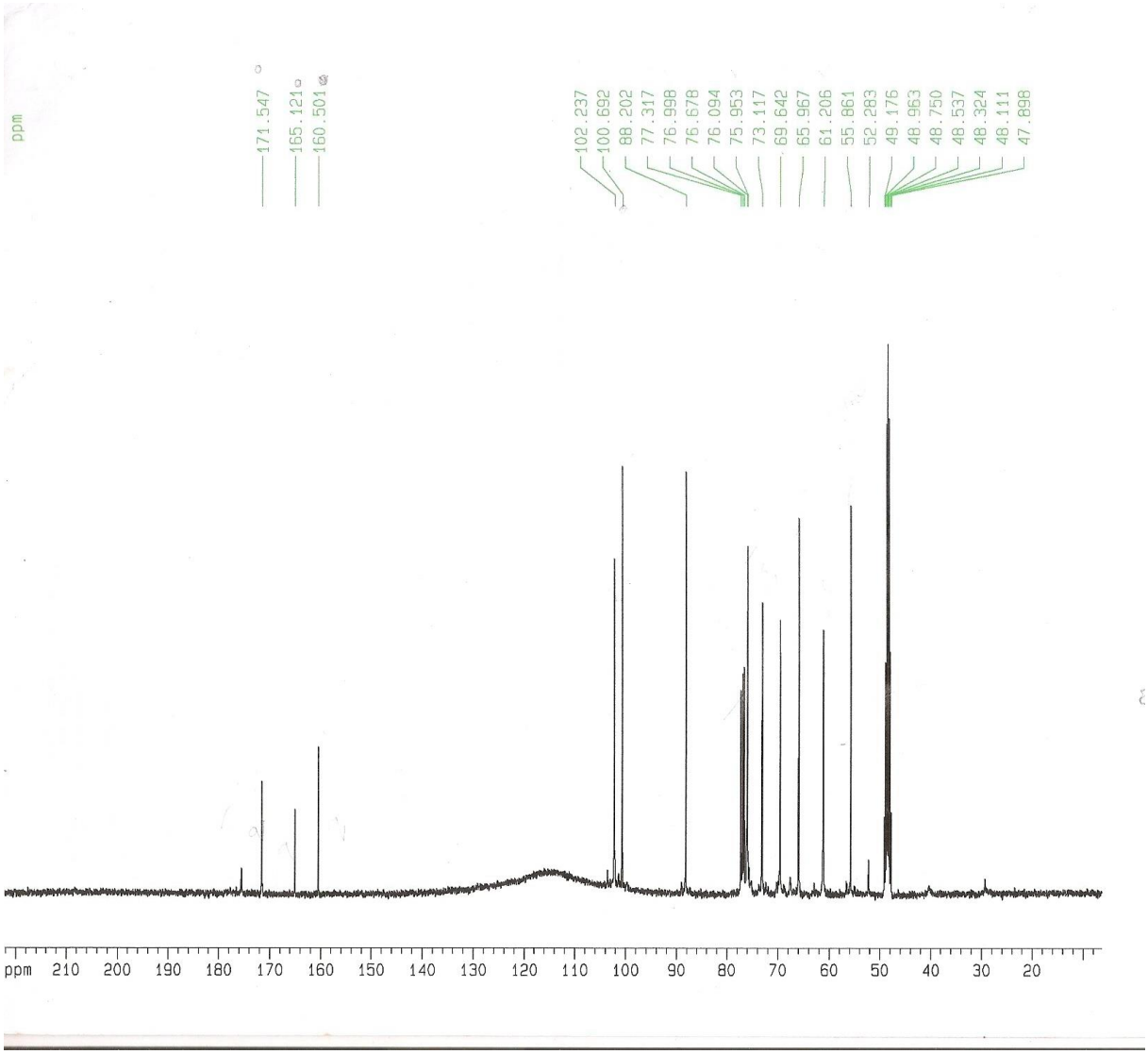


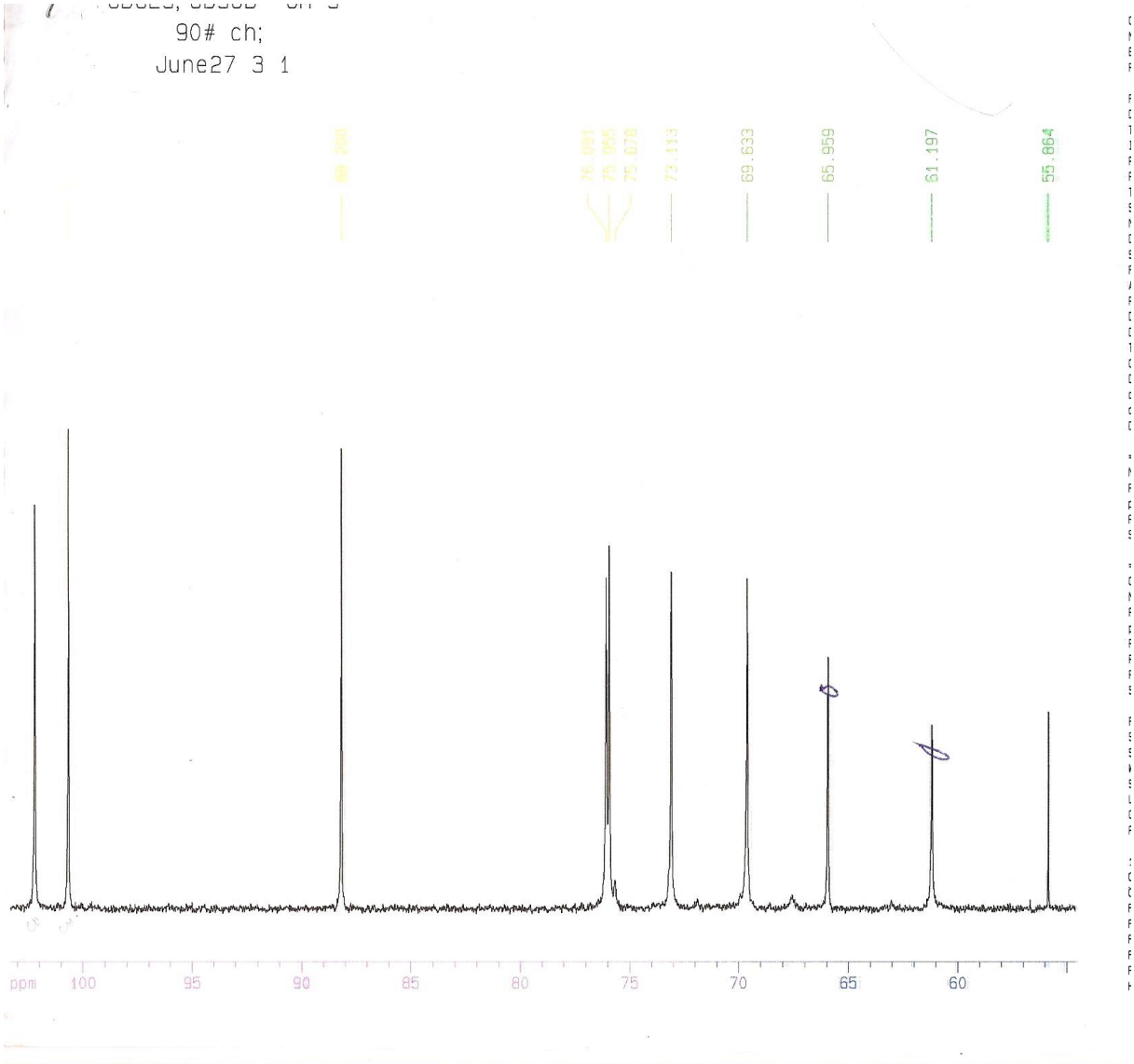
S3: Opuntiol H-NMR, $CDCl_3$ + CD_3OD



S4: Opuntiol, DEPT135



S5: Opuntioside C-13 NMR, $CDCl_3$ + CD_3OD



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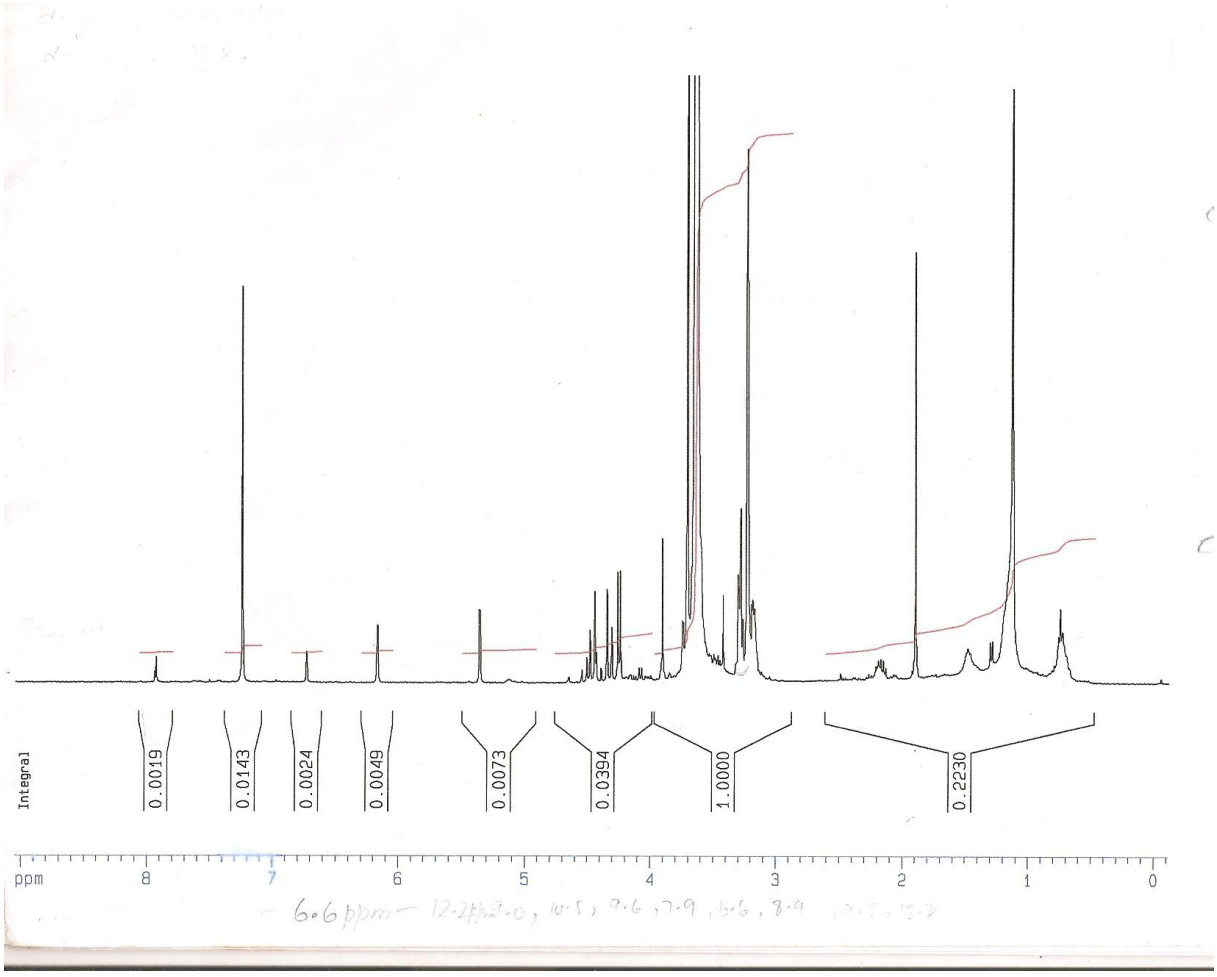
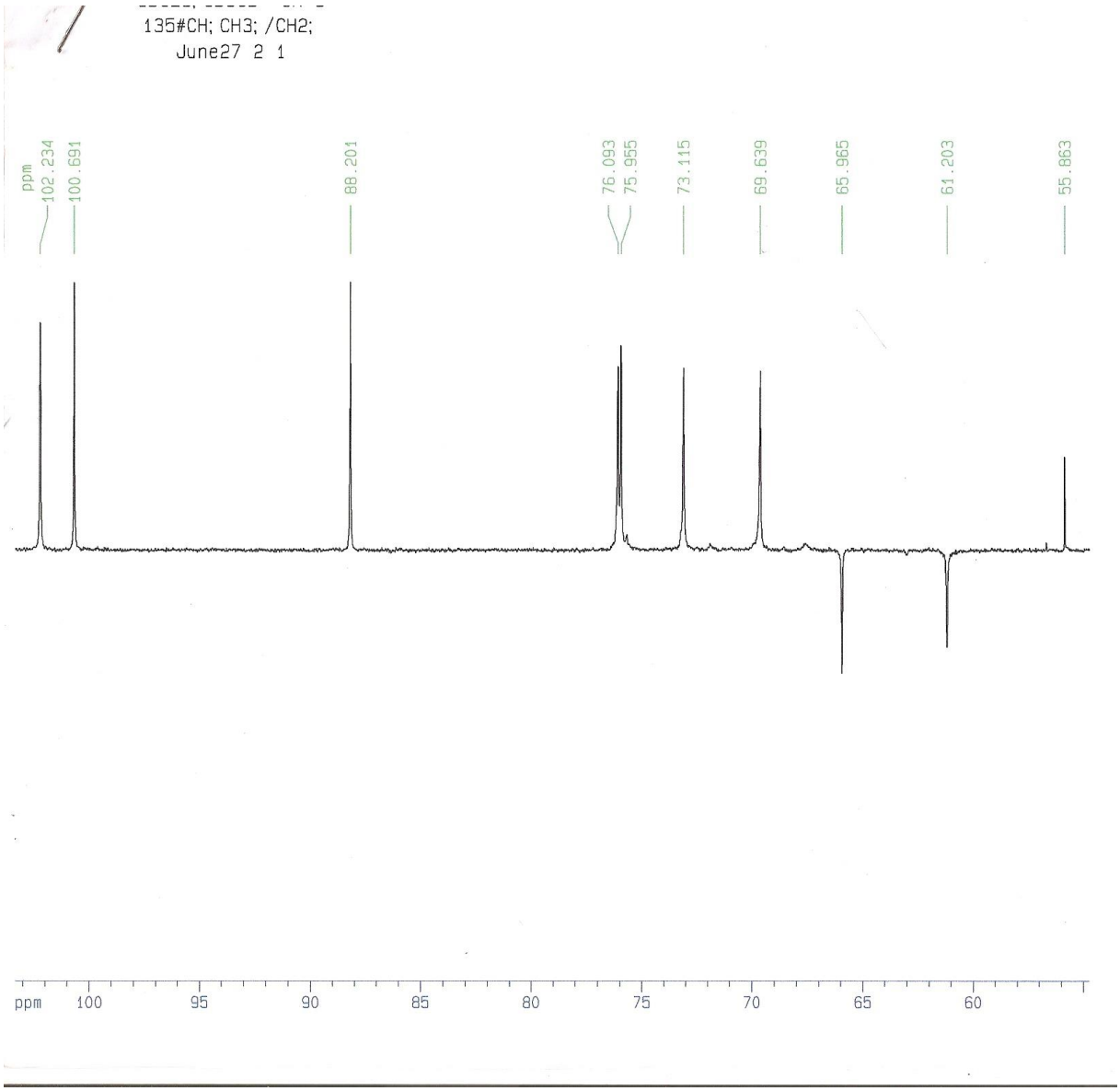


S7: Opuntioside H-NMR, $CDCl_3$ + CD_3OD



S8: Opuntioside DEPT135

Table 1. NMR characteristics [δ(ppm) and J (Hz)] of opuntiol in (1:1) mixture of $CDCl_3$ and CD_3OD

Assignments	δC (ppm) **100 MHz**	δH (ppm) **400 MHz**	**^{1}H-^{1}H COSY**	**HMBC**	**NOESY**
2	166.8	-	-	H-3	-
3	88.5	5.32 d (2.1, 1H)	H-5, H-7, H-8	H-5, H-7, H-8	H-5, H-7, H-8
4	173.5	-	-	H-3, H-5, H-7, H-8	-
5	99.8	6.02 td (1.0, 2.1, 1H)	H-3, H-7	H-3, H-7, H-8	H-3, H-7, H-8
6	166.1	-	-	H-5, H-7	-
7	60.9	4.19 s (2H)	H-3, H-5, H-8	H-5	H-3, H-7, H-8
8(OCH_3)	56.7	3.71 s (3H)	H-3, H-7	-	H-3, H-5, H-7

Table 2. NMR characteristics [δ(ppm) and J(Hz)] of opuntioside in (1:1) mixture of $CDCl_3$ and CD_3OD

Assignments	HMQC		$^1H \times {}^1H$ COSY-45°	$^1H \times {}^1H$	
	$^\delta C$ 100MHz	$^\delta H$ 400MHz		HMBC	NOESY
2	165.1	-	-	H-3	-
3	88.2	5.35 d (2.1, 1H)	H-5, H-7a, H-7b, H-8	H-5, H-8	H-5, H-8
4	171.5	-	-	H-3, H-5, H-7a, H-7b, H-8	-
5	100.6	6.17 td (1.1, 2.1, 1H)	H-3, H-7a, H-7b, H-8	H-3, H-8	H-3, H-7a, H-7b, H-8, H-1′
6	160.5	-	-	H-5, H-7a, H-7b	-
7a	65.9	4.46 brd (14.7, 1H)	H-3, H-5, H-7b, H-8, H-2′	H-3, H-5	H-5, H-8
7b	65.9	4.32 brd (14.7, 1H)	H-3, H-5, H-7a	H-3, H-5	H-5, H-8
8(OCH_3)	55.8	3.71 s (3H)	H-3, H-5, H-7a	-	H-3, H-5, H-7a, H-7b
1′	102.2	4.25 d (7.6, 1H)	H-2′	H-7a, H-7b	H-5, H-3′, H-4′, H-5′, H-6′a
2′	73.1	3.18 dd (7.6, 9.2, 1H)	H-1′	H-3′	H-6′a
3′	76.0	3.29 m (1H)	-	H-2′, H-4′, H-6′b	H-1′, H-6′a
4′	69.6	3.29 m (1H)	-	H-3′,H-5′, H-6′a, H-6′b	H-1′, H-6a
5′	75.9	3.18 m (1H)	H-6′a, H-6′b	H-2′, H-4′, H-6′b	H-6′a
6′a	61.2	3.74 dd (2.8, 12.8, 1H)	H-5′	H-3′, H-4′	H-1′, H-2′, H-3′, H-4′, H-5′
6′b	61.2	3.58[a] m (1H)	H-5′	H-3′, H-4′	-

[a] Hidden in the solvent peak, but noted in COSY45°, HMQC and HMBC plot