

<sup>1</sup>H and <sup>13</sup>C-NMR data of compound **1**, **2**, **3**, and **4**

C/H	1		2		3		4	
	$\delta_H$ (mult., int., <i>J</i> (Hz))	$\delta_C$	$\delta_H$ (mult., int., <i>J</i> (Hz))	$\delta_C$	$\delta_H$ (mult., int., <i>J</i> (Hz))	$\delta_C$	$\delta_H$ (mult., int., <i>J</i> (Hz))	$\delta_C$
<b>2</b>	-	158.8	-	158.7	-	158.5	-	158.6
<b>3</b>	-	134.9	-	135.2	-	135.0	-	135.3
<b>4</b>	-	179.1	-	179.2	-	179.4	-	179.3
<b>5</b>	-	163.2	-	163.1	-	163.0	-	163.1
<b>6</b>	6.16 (bs, 1H)	100.1	6.17 (bs, 1H)	100.0	6.18 (bs, 1H)	100.3	6.18 (bs, 1H)	100.1
<b>7</b>	-	165.9	-	166.0	-	166.0	-	166.2
<b>8</b>	6.32 (bs, 1H)	94.7	6.37 (bs, 1H)	94.9	6.37 (bs, 1H)	94.9	6.37 (bs, 1H)	95.0
<b>9</b>	-	158.5	-	158.5	-	158.7	-	159.0
<b>10</b>	-	105.8	-	105.8	-	105.7	-	105.6
<b>1'</b>	-	123.0	-	123.1	-	123.0	-	122.8
<b>2'</b>	7.95 (d, 1H, 2.0 Hz)	114.1	7.95 (d, 1H, 2.0 Hz)	114.3	7.92 (d, 1H, 2.0 Hz)	114.2	8.05 (d, 1H, 8.6 Hz)	132.3
<b>3'</b>	-	148.2	-	148.3	-	148.1	6.89 (d, 1H, 8.6 Hz)	116.1
<b>4'</b>	-	150.6	-	150.8	-	151.0	-	161.5
<b>5'</b>	6.86 (d, 1H, 8.3 Hz)	115.9	6.87 (d, 1H, 8.5 Hz)	116.0	6.89 (d, 1H, 8.5 Hz)	116.2	6.89 (d, 1H, 8.6 Hz)	116.1
<b>6'</b>	7.57 (dd, 1H, 8.3/2.0 Hz)	123.4	7.58 (dd, 1H, 8.5/2.0 Hz)	123.8	7.57 (dd, 1H, 8.5/2.0 Hz)	123.5	8.05 (d, 1H, 8.6 Hz)	132.3
<b>3'-OCH<sub>3</sub></b>	3.91 (s, 3H)	56.2	3.93 (s, 3H)	56.3	3.94 (s, 3H)	56.6	-	-
<b>1''</b>	-	-	5.42 (d, 1H, 7.3 Hz)	103.6	5.40 (d, 1H, 7.3 Hz)	102.8	5.24 (d, 1H, 7.2 Hz)	104.1
<b>2''</b>	-	-	-	75.7	-	75.9	-	75.9
<b>3''</b>	-	-	-	78.4	-	78.3	-	78.5
<b>4''</b>	-	-	3.78-3.17	71.3	3.78-3.17	71.2	3.78-3.17	71.5
<b>5''</b>	-	-	-	78.0	-	77.9	-	78.0
<b>6''</b>	-	-	-	62.5	-	62.3	-	62.6
<b>1'''</b>	-	-	-	-	4.52 (bs, 1H)	102.3	4.52 (bs, 1H)	102.4
<b>2'''</b>	-	-	-	-	-	72.0	-	72.2
<b>3'''</b>	-	-	-	-	-	72.1	-	72.0
<b>4'''</b>	-	-	-	-	3.84-3.22	73.7	3.84-3.22	73.8
<b>5'''</b>	-	-	-	-	-	69.5	-	69.7
<b>6'''</b>	-	-	-	-	1.10 (d, 3H, 6.2 Hz)	17.4	1.13 (d, 3H, 6.2 Hz)	17.9

Mult.: multiplicity of the NMR signal; int: integral of the NMR signal (showing the number of H); J: coupling constant; bs: broad singlet; d: doublet