

AVANCE III 500 BRUKER A&T Center BNU
 Sample: Mrey-21-20J Solvent: DMSO
 Spectrum: 1H

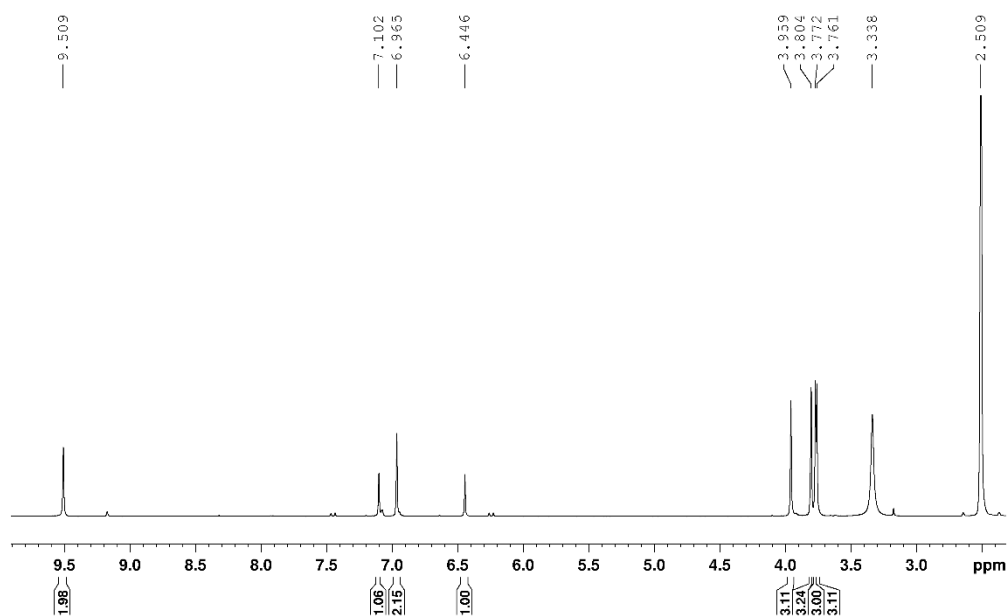


Figure S1: ^1H -NMR spectrum of compound **6**

AVANCE III 500 BRUKER A&T Center BNU
 Sample: Mrey-21-20J Solvent: DMSO
 Spectrum: ^{13}C

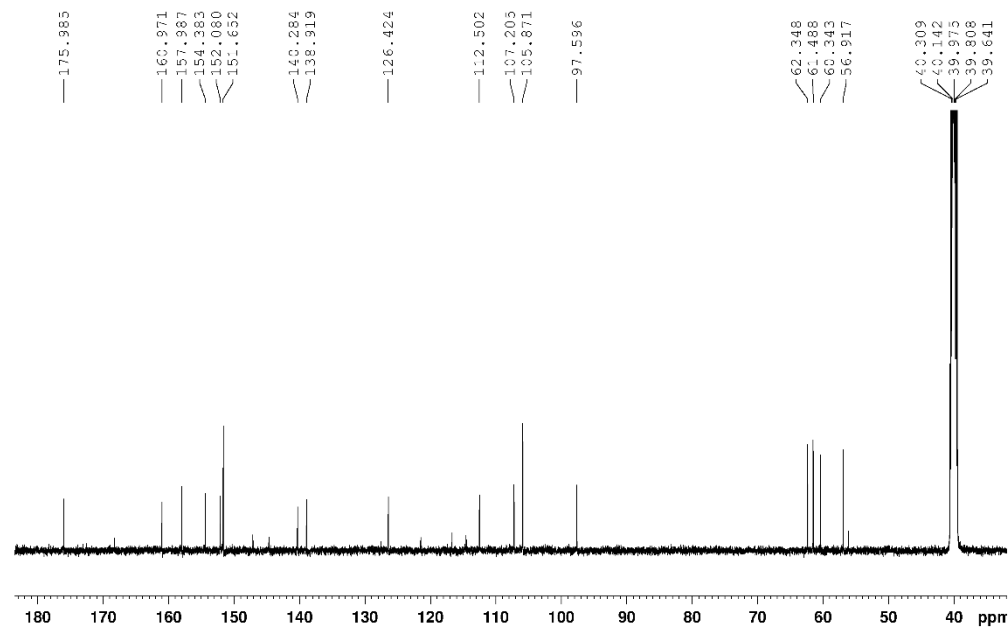


Figure S2: ^{13}C -NMR spectrum of compound **6**

AVANCE III 500 BRUKER A&T Center BNU
 Sample: Mtey-21-20J Solvent: DMSO
 Spectrum: HMBC

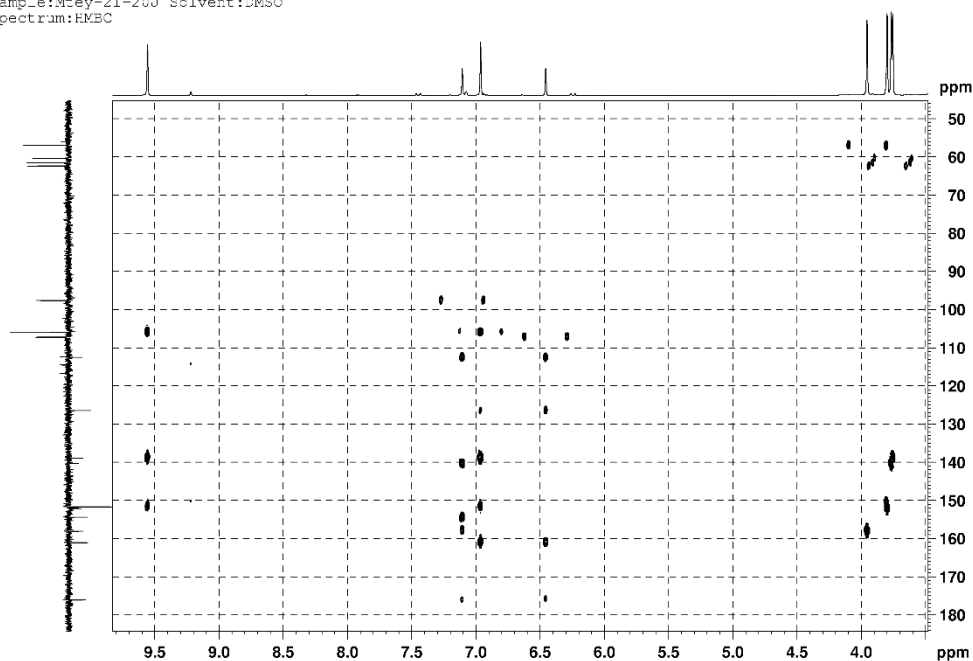


Figure S3: HMBC spectrum of compound 6

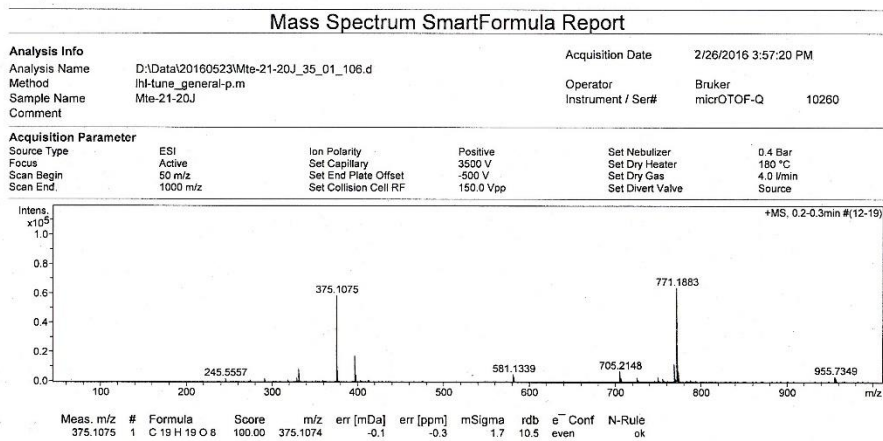


Figure S4: HR-ESI-MS spectrum of compound 6

Table S1. ¹H-NMR data of the twelve known flavonoids.

Position	1 ^a	2 ^a	3 ^a	4 ^b	5 ^a	7 ^b	8 ^a	9 ^a	10 ^a	11 ^a	12 ^a	13 ^a
2							5.36, dd, <i>J</i> =13.5, 1.5 Hz	5.42, dd, <i>J</i> =12.0, 2.5 Hz	5.35, dd, <i>J</i> =13.5, 2.0 Hz	6.87, s	6.86, s	6.89, s
3	6.68, s	6.65, s	6.69, s	6.81, s	6.64, s	6.68, s	H-a (3.05, dd, <i>J</i> =16.0, 13.5 Hz); H-b (2.81, dd, <i>J</i> =16.0, 1.5 Hz)	H-a(3.04, dd, <i>J</i> =17.0, 12.0 Hz); H-b(2.90, dd, <i>J</i> =17.0, 2.5 Hz)	H-a(3.04, dd, <i>J</i> =17.0, 13.5 Hz); H-b(2.79, dd, <i>J</i> =17.0, 2.0 Hz)			
6	6.41, d, <i>J</i> =1.5 Hz			6.39, s			6.20, s	6.17, s		6.87, s	6.86, s	6.89, s
8	6.59, d, <i>J</i> =1.5 Hz	6.83, s		6.62, s	6.59, s	6.86, s	6.13, s		6.40, s			
α										7.75, d, <i>J</i> =15.5 Hz	7.74, d, <i>J</i> =15.5 Hz	7.78, d, <i>J</i> =15.5 Hz
β										7.81, d, <i>J</i> =15.5 Hz	7.79, d, <i>J</i> =15.5 Hz	7.87, d, <i>J</i> =15.5 Hz
2'	7.09, s	7.09, s	7.43, d, <i>J</i> =1.5 Hz	7.27, s	7.11, s	7.02, s	6.70, s	6.72, s	6.70, s			
3'										6.15, d, <i>J</i> =2.0 Hz		6.33, s
5'			7.02, d, <i>J</i> =8.5 Hz							6.00, d, <i>J</i> =2.0 Hz	6.04, s	
6'	7.09, s	7.09, s	7.60, dd, <i>J</i> =8.5, 1.5 Hz	7.27, s	7.11, s	7.02, s	6.70, s	6.72, s	6.70, s			
-OCH ₃	3.98, s	4.02, s	4.13, s	3.90, s	4.01, s	3.95, s	3.93, s	3.98, s	3.97, s	3.94, s	3.98, s	3.96, s
-OCH ₃	3.97, s	4.01, s	4.05, s	3.90, s	4.00, s	3.77, s	3.92, s	3.96, s	3.92, s	3.94, s	3.97, s	3.95, s
-OCH ₃	3.97, s	3.98, s	4.00, s	3.81, s	4.00, s	3.74, s	3.92, s	3.90, s	3.92, s	3.94, s	3.94, s	3.95, s
-OCH ₃	3.95, s	3.98, s	3.99, s	3.74, s	3.96, s		3.89, s	3.90, s	3.91, s	3.92, s	3.94, s	3.93, s
-OCH ₃	3.94, s	3.94, s	3.97, s		3.96, s		3.86, s	3.88, s	3.89, s	3.87, s	3.92, s	3.93, s
-OCH ₃		3.94, s	3.97, s					3.85, s	3.86, s		3.87, s	3.86, s
5-OH					12.72, s	12.84, s						
7-OH				10.70, s								
2'-OH										14.33, s	13.97, s	13.71, s
3', 5'-OH						9.57, s						

^a Measured in CDCl₃. ^b Measured in DMSO-*d*₆.

Table S2. ¹³C-NMR data of the twelve known flavonoids.

Position	1 ^a	2 ^a	3 ^a	4 ^b	5 ^a	7 ^b	8 ^a	9 ^a	10 ^a	11 ^a	12 ^a	13 ^a
1										131.2	130.9	130.9
2	160.5	161.0	161.1	159.6	163.8	164.3	79.5	79.0	79.7	105.6	105.6	105.7
3	108.8	108.3	106.8	108.4	105.5	104.6	45.8	45.7	45.8	153.4	153.4	153.5
4	177.6	177.2	177.4	176.1	182.6	182.6	189.1	189.3	189.3	140.1	140.2	140.3
5	161.0	154.5	144.1	161.0	153.3	152.5	164.9	158.8	154.3	153.4	153.4	153.5
6	96.2	140.4	138.0	96.9	132.8	132.4	93.6	89.5	137.7	105.6	105.6	105.7
7	164.1	157.8	151.5	163.0	158.9	159.3	166.0	157.9	159.6			
8	92.9	96.3	148.4	95.9	90.7	91.9	93.3	131.0	96.4			
9	159.9	152.6	147.7	159.5	153.1	153.2	162.3	156.1	159.5			
10	109.2	112.9	114.8	107.7	106.2	105.7	106.0	106.3	109.2			
α										142.4	142.8	143.4
β										127.0	126.8	125.8
-C=O										192.4	193.0	192.7
1'	126.8	126.9	123.9	126.8	126.5	126.1	134.3	134.5	134.2	106.3	106.9	108.7
2'	103.4	103.4	108.4	104.0	103.8	106.4	103.2	103.1	103.3	166.2	159.4	162.7
3'	153.5	153.6	149.2	153.7	153.6	151.7	153.5	153.5	153.6	93.9	131.0	96.7
4'	140.9	140.9	151.9	140.5	141.5	139.5	138.2	138.0	138.3	168.4	158.4	160.2
5'	153.5	153.6	111.1	153.7	153.6	151.7	153.5	153.5	153.6	91.4	87.1	135.3
6'	103.4	103.4	119.7	104.0	103.8	106.4	103.2	103.1	103.3	162.4	158.5	154.9
-OCH ₃	61.0	62.2	62.3	60.6	61.1	60.5	60.9	61.2	61.7	61.0	61.0	62.0
-OCH ₃	56.5	61.6	62.0	56.7	60.9	60.4	56.2	60.9	61.4	56.2	60.8	61.3
-OCH ₃	56.4	61.1	61.9	56.7	56.4	57.0	56.2	56.3	60.9	56.2	56.2	61.0
-OCH ₃	56.4	56.4	61.8	56.3	56.4		56.2	56.2	56.2	55.8	56.2	56.2
-OCH ₃	55.8	56.4	56.1		56.4		55.6	56.2	56.2	55.6	56.0	56.2
-OCH ₃		56.4	56.0					56.1	56.2		56.0	56.1

^a Measured in CDCl₃. ^b Measured in DMSO-*d*₆.