

Table S1: Chromatographic (HPLC) and spectral (UV and MS) data recorded for **1–6** from *Nepeta curviflora*.

Compound	t_R (min)	UV (λ_{\max}) (nm)	Molecular mass $[MH]^+$	
			Observed	Calculated
1	31.5	332, 267, 220	813.1881	813.1878
2	29.6	344, 250, 209	829.1830	829.1827
3	31.5	330, 230		
4	14.0	330, 225		
5	34.2	337, 268		
6	25.7	338, 267		

Table S2: ^1H and ^{13}C spectral data (ppm) and coupling constants (Hz) for compounds **3** and **4** dissolved in DMSO-D6 at 25°C.

	3 (^1H)	3 (^{13}C)	4 (^1H)	4 (^{13}C)
C=O		166.07		166.07
α	6.26 <i>d</i> 15.9	113.03	6.26 <i>d</i> 15.9	113.03
β	7.48 <i>d</i> 15.9	146.53	7.48 <i>d</i> 15.9	146.53
1		125.46		125.46
2	7.06 <i>d</i> 2.2	115.10	7.10 <i>d</i> 2.2	115.10
3		144.30		144.30
4		148.91		148.91
5	6.77 <i>d</i> 8.2	115.94	6.77 <i>d</i> 8.2	115.94
6	7.01 <i>dd</i> 2.2, 8.2	121.91	7.07 <i>dd</i> 2.2, 8.2	121.91
C=O		170.11		
α	5.12 <i>dd</i> 2.2, 7.7	72.93		
β_{A}	2.95 <i>m</i>	36.35		
β_{B}	2.95 <i>m</i>			
1'		126.82		
2'	6.65 <i>d</i> 2.1	116.82		
3'		145.78		
4'		144.16		
5'	6.64 <i>d</i> 8.1	115.61		
6'	6.49 <i>dd</i> 2.1, 8.1	120.25		
OCH ₃	3.63 <i>s</i>	52.15		

Table S3. ^1H and ^{13}C NMR chemical shift values of apigenin (**5**) and apigenin 7-*O*- β -glucuronopyranoside (**6**) in DMSO- D_6 at 298 K.

	5	5	6	6
	δ ^1H	δ ^{13}C	δ ^1H	δ ^{13}C
2		163.6		164.38
3	6.77 <i>s</i>	102.9	6.85 <i>s</i>	103.22
4		181.9		182.11
5		161.6		161.23
6	6.18 <i>d</i> 2.1	98.9	6.44 <i>d</i> 2.2	99.64
7		164.2		163.07
8	6.48 <i>d</i> 2.1	94.0	6.82 <i>d</i> 2.2	94.96
9		157.3		157.06
10		103.8		105.46
1'		121.3		121.15
2'/6'	7.92 ' <i>d</i> ' 8.9	128.6	7.94 ' <i>d</i> ' 8.9	128.72
3'/5'	6.92 ' <i>d</i> ' 8.9	116.1	6.93 ' <i>d</i> ' 8.9	116.12
4'		161.3		161.48
5-OH	12.95 <i>s</i>		12.95 <i>s</i>	
7-OH	10.88 <i>s</i>			
4'-OH	10.38 <i>s</i>		10.40 <i>s</i>	
7- <i>O</i> - β -glucuronopyranoside				
1''			5.06 <i>d</i> 7.7	100.03
2''			3.26 <i>dd</i> 7.7, 9.0	73.22
3''			3.30 <i>t</i> 9.0	76.56
4''			3.18 <i>dd</i> 9.6, 9.0	69.68
5''			3.44 <i>ddd</i> 2.1, 5.8, 9.6	77.29
6A''			3.71 <i>dd</i> 2.1, 11.9	60.73
6B''			3.48 <i>dd</i> 5.9, 11.9	

Table S4: Solvent composition and elution volumes used for separation of XAD-7 purified extract of aerial parts of *Nepeta curviflora* using a 100×5 cm Sephadex LH-20 column. The flow rate was 4 mL/min

Solvents	Solvent composition Acetonitrile:H ₂ O:TFA	Fractions collected	Volume eluted mL
So1	10:90:0.5	1-2	280
So2	20:80:0.5	3-8	1015
So3	30:80:0.5	9-20	2047
So4	40:60:0.5	21-26	1043
Solvents	Solvent composition MeOH:H ₂ O:TFA		Vol. eluted mL
So5	70:30:0.5	27-34	1137
So6	80:20:0.5	35-39	904
So7	90:10:0.5	40-50	2304

Table S5: Composition and elution volumes used for separation of XAD-7 purified extract of flowers of *Nepeta curviflora* using a 100×5 cm Sephadex LH-20 column. The flow rate was 4 mL/min

Solvents	Solvent composition MeOH:H ₂ O:TFA	Vol. eluted mL
So1	20:80:0.5	570
So2	30:70:0.5	1079
So3	35:65:0.5	559
So4	40:60:0.5	485
So5	45:55:0.5	348
So6	50:50:0.5	333
So7	60:80:0.5	317
So8	70:30:0.5	1344
So9	80:20:0.5	1915

Table S6: *In-vitro* anti-bacterial activity data for compound 1 and 2 and for the XAD purified materials against gram-negative bacteria. Inhibition zone diameter is in millimetre.

Compounds	Conc. mg/mL	<i>E. coli</i>	<i>K. pneumoniae</i>	<i>p. mirabilis</i>	<i>p. aeruginosa</i>
Gentamycin	6	33.0	35.0	32.3	30.7
Erythromycin	6	24.7	24.0	19.0	-
DMSO	-	-	-	-	-
XAD purified extract	6	-	-	-	-
cpd 1	6	-	-	-	-
cpd 2	6	-	-	-	-

Table S7: *In-vitro* anti-bacterial activity data for compounds 1 and 2 and for the XAD purified materials against gram positive bacteria. Inhibition zone diameter is in millimetre

Compounds	Conc. mg/mL	<i>S. aureus</i>	<i>M. Luteus</i>	<i>B. subtilis</i>	<i>E. faecalis</i>	<i>S. epidemidis</i>
Gentamycin	6	30.3	37.7	39.3	-	39.7
Erythromycin	6	44.0	40.3	-	-	32.3
DMSO	-	-	-	-	-	-
XAD purified extract	6	-	6.7	-	-	-
cpd 1	6	-	-	-	-	-
cpd 2	6	-	-	-	-	-