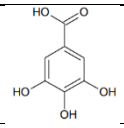
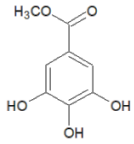
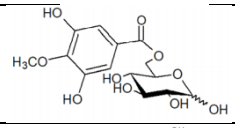
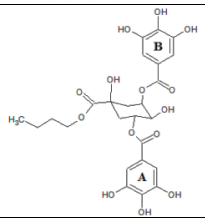
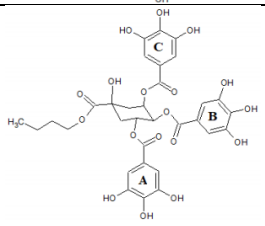
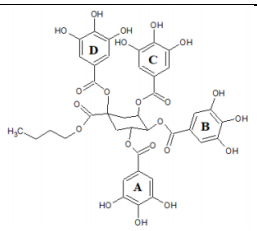
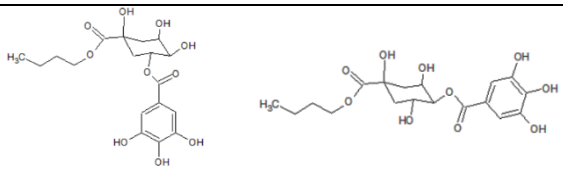
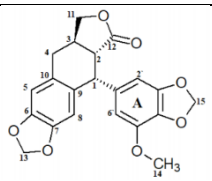
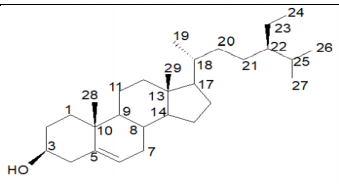
Supplementary table (1): Isolated compounds from butanol fraction of *K. elegans* twigs:

Compound 1:	3, 4, 5- trihydroxy-benzoic acid (gallic acid).	
Compound 2:	Methyl gallate.	
Compound 3:	6-*O*- [Galloyl 4- methyl ether]-(α/β)-D-glucopyranose	
Compound 4:	3, 5-di-*O*-galloylquinic acid butyl ester.	
Compound 5:	3,4,5-tri-*O*-galloylquinic acid butyl ester	
Compound 6:	1,3,4,5-tetra-*O*-galloylquinic acid butyl ester.	
Compound 7:	Two isomers :3-*O*-galloyl quinic acid butyl ester and 4-*O*-galloyl quinic acid butyl ester	
Compound 8:	Austrobailignan 1	
Compound 9:	β-sitosterol	

Supplementary table (2): ^{1}H NMR and ^{13}C NMR spectroscopic data for compounds 4 – 6 in DMSO-*d6*:

Carbon number	Compound 4		Compound 5		Compound 6	
	δ ^{13}C	δ ^{1}H	δ ^{13}C	δ ^{1}H	δ ^{13}C	δ ^{1}H
1	74.30		74.59		74.30	
2	35.64	2.07, *m*	35.64	2.10, *m*	34.72	2.45, *m*
3	67.96	5.38, *m*	68.50	5.85, *m*	68.28	5.72, *m*
4	72.38	3.92, *m*	73.24	5.32, br*d*	72.30	5.42, br*d*
5	68.91	5.38, *m*	71.82	5.54, *m*	69.50	5.72, *m*
6	38.91	2.48, *m*	38.91	2.34, *m*	39.34	2.75, *m*
7	173.43		174.43		172.50	
8	60.39	3.39, *t*	60.39	3.37, *t*	60.30	3.36, *t*
9	38.82	1.38, *m*	38.82	1.29, *m*	39.17	1.29, *m*
10	18.65	1.30, *m*	18.66	1.28, *m*	18.70	1.28, *m*
11	13.87	0.87, *t*	13.89	0.85, *t*	13.92	0.87, *t*
1A	118.70		118.75		118.94	
2A	108.80	6.88, *s*	108.71	6.89, *s*	108.83	6.80, *s*
3A	145.44		145.41		145.51	
4A	138.93		138.57		138.58	
5A	145.44		145.41		145.51	
6A	108.80	6.88, *s*	108.71	6.89, *s*	108.83	6.80, *s*
7A	164.79		164.92		165.10	
1B	119.30		119.04		118.94	
2B	108.84	6.91, *s*	108.78	6.92, *s*	108.83	6.82, *s*
3B	145.56		145.50		145.56	
4B	138.96		138.76		138.58	
5B	145.56		145.50		145.56	
6B	108.84	6.91, *s*	108.78	6.92, *s*	108.83	6.82, *s*
7B	165.14		164.99		165.19	
1C			119.57		119.24	
2C			108.96	6.95, *s*	109.18	6.85, *s*
3C			145.50		145.60	
4C			138.82		139.50	
5C			145.50		145.60	
6C			108.96	6.95, *s*	109.18	6.85, *s*
7C			165.30		165.48	
1D					119.24	
2D					109.18	6.88, *s*
3D					145.60	
4D					139.50	
5D					145.60	
6D					109.18	6.88, *s*
7D					165.48	

Supplementary table (3): ^{1}H and ^{13}C-NMR spectral data of compound 8 in DMSO-*d6*:

Position	δ ^{13}C	δ ^{1}H
1	41.00	4.48 (*d, J*=5)
2	45.94	2.75 (*m*)
3	31.5	2.97 (*m*)
4	31.6	α: 3.31 (*dd, J* = 16, 6)
		β: 2.75 (*m*)
5	108.50	6.38 (*s*)
6	146.32	
7	145.91	
8	109.82	6.48 (*s*)
9	130.67	
10	128.97	
11	71.51	α: 4.40 (*dd, J* = 9, 8)
		β: 3.94 (*dd, J* = 9, 8)
12	174.88	
1`	135.90	
2`	104.18	6.06 (*d, J*= 1.5)
3`	147.76	
4`	133.42	
5`	142.15	
6`	110.80	6.76 (*d, J*= 1.5)
13	101.05	5.95 (*s*)
14	56.31	3.74 (*s*)
15	100.91	5.908, 5.905 (AB*q*, *J*=1.5)

Supplementary table (4): ^{1}H &^{13}C- NMR spectral data of compound 9 DMSO-*d6*:

Position	δ ^{1}H	δ ^{13}C
1.		37.5
2.		31.9
3.	3.53 (*m,* 1H)	72.0
4.		42.5
5.		140.9
6.	5.27 (*t*, 1H/ *J*=6.4 Hz)	121.9
7.		32.1
8.		32.1
9.		50.3
10.		36.7
11.		21.3
12.		39.9
13.		42.6
14.		59.19
15.		26.3
16.		28.5
17.		57.13
18.		36.3
19.	0.95 (*d*, 3H/ *J*=6.5 Hz)	19.2
20.		34.2
21.		26.3
22.		46.1
23.		23.3
24.	0.85 (*t*, 3H/ *J*=7.2 Hz)	12.2
25.		29.4
26.	0.88 (*d*, 3H/ *J*=6.4 Hz)	20.1
27.	0.74 (*d*, 3H/ *J*=6.4 Hz)	19.6
28.	0.68 (*s*, 3H)	19.0
29.	1.05 (*s*, 3H)	12.0

Supplementary table (5): IC_{50} (50% inhibition concentration) of tested drugs against A-549, HCT-116 and MCF-7 cell lines:

Treatment	IC_{50} (µg)		
	A-549	HCT-116	MCF-7
Butanol extract	>100	>100	>100
Austrobailignan 1	>100	77.4	40.4
Methyl gallate	> 100	95.5	48.6

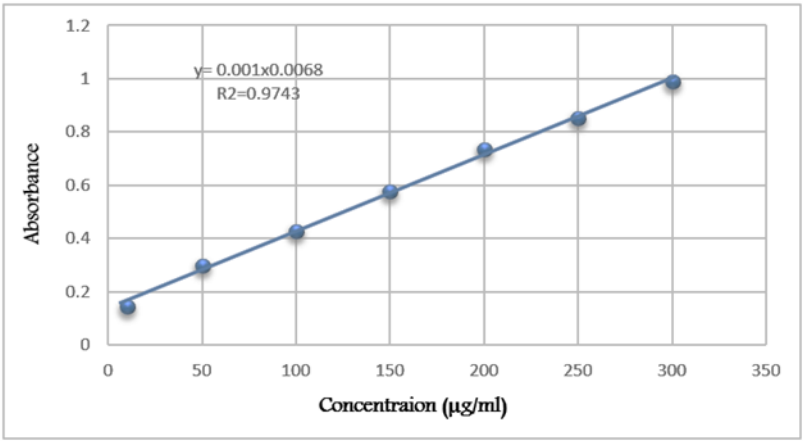


Figure (1): Standard curve of gallic acid for determination of total phenolic content

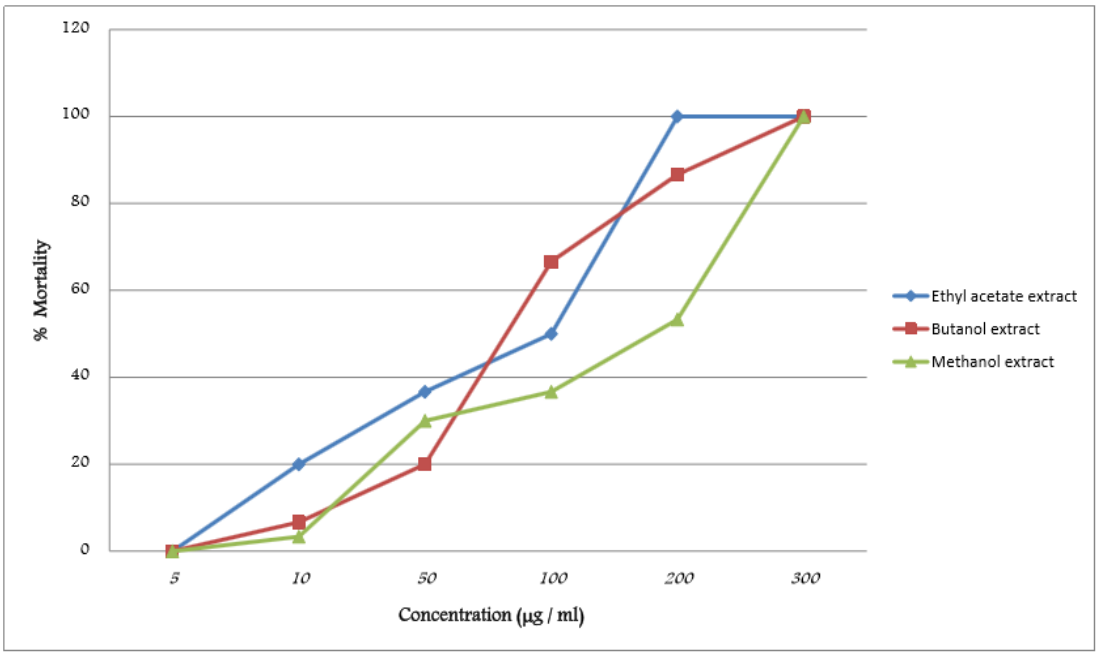


Figure (2): Effects of the tested fractions against brine shrimp lethality

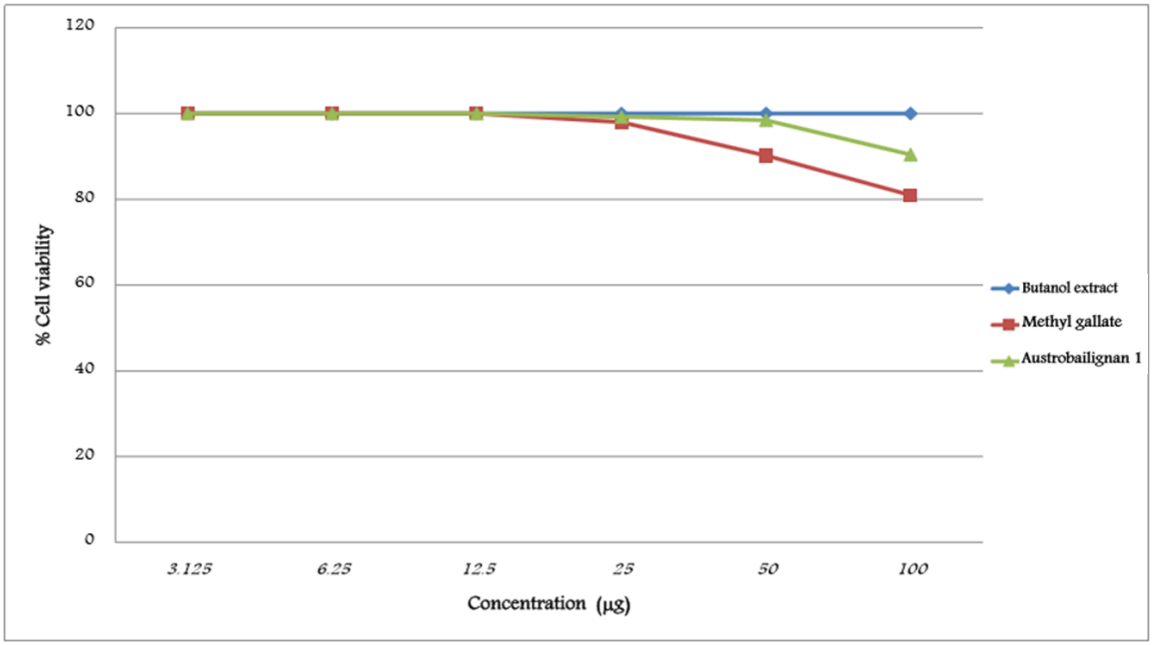


Figure (3): Effects of tested drugs against A-549 cell line

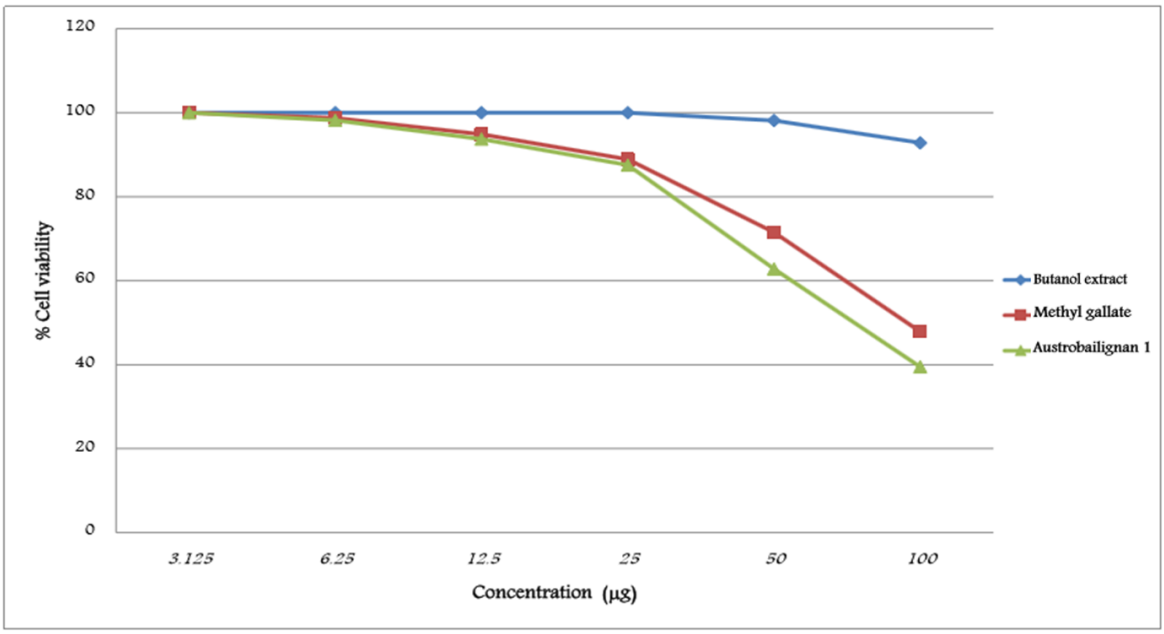


Figure (4): Effects of tested drugs against HCT-116 cell line

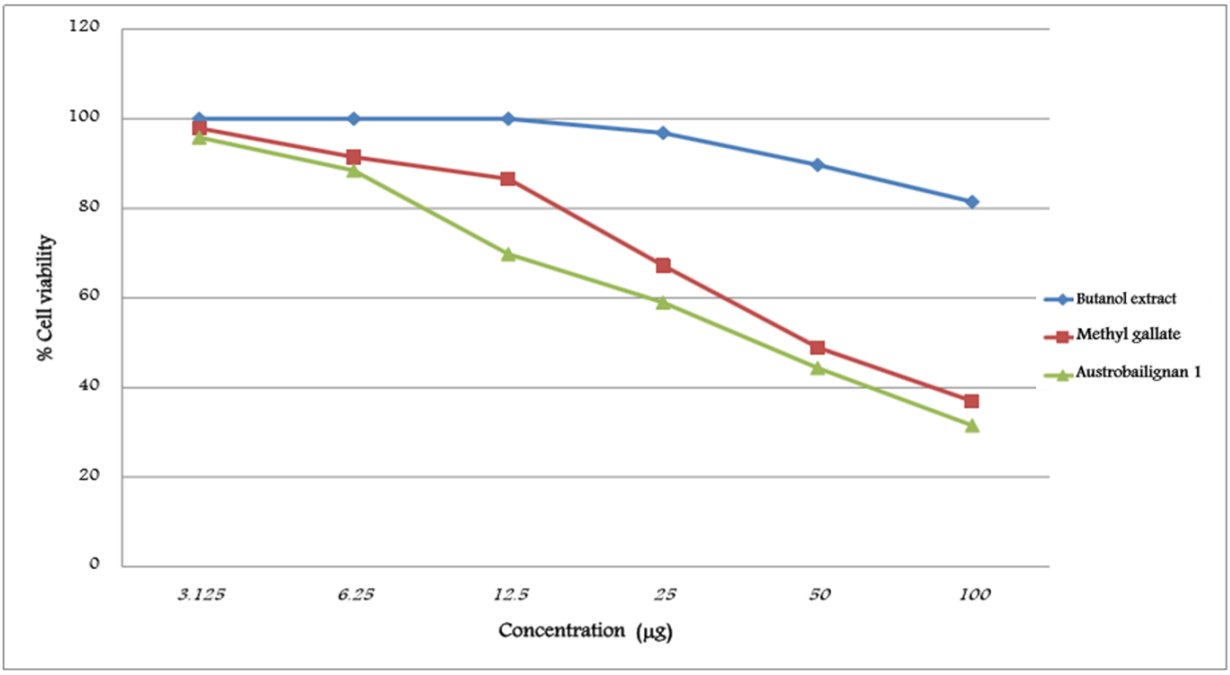


Figure (5): Effects of tested drugs against MCF-7 cell line