

Table 1. Antioxidant activity, TPC and TFC, antimicrobial activity, biofilm activity, hemolysis shown by different extracts of stem of *H. auriculis* and the compounds identified by GC-MS.

Solvent	DPPH inhibition (%)		TPC (GAE mg/100g)	TFC (CE g/100g)
<i>n</i> -hexane	43.82		156.2	84.60
Ethyl acetate	14.84		138.6	135.39
Ethanol	49.45		164.4	72.23
Methanol	34.68		115.0	76.18
Chloroform	17.18		149.8	117.23
<i>n</i> -butanol	41.40		173.4	96.18
BHT	90.15			
	Zone inhibition (mm)		Biofilm Inhibition (%)	Hemolysis RBCs (%)
	<i>E. coli</i>	<i>B. subtilis</i>	<i>S. aureus</i>	
<i>n</i> -hexane	4	3	50.64	33.49
Ethyl acetate	10	8	51.18	37.69
Ethanol	18	18	17.60	34.66
Methanol	11	10	21.49	48.43
Chloroform	12	4	53.77	11.91
<i>n</i> -butanol	14	8	5.18	22.36
Standard	32	28	78.29	87.40
Peaks	Retention Time		Peak Height	Peak Area
1	43.131		2227831264	2145567662.5
2	43.188		2181382368	2484461297.7
3	43.199		2191782880	1517429867.5
4	43.212		2063460064	2324713357.5
5	43.254		2165313760	2125147616.3
6	43.267		2059896288	635910684.5
7	43.276		2118605280	1139593848.3
8	43.283		2296936672	2139698625.6
9	43.299		2446387680	1657321944.0
10	43.313		2410367933.02	2502680765.91

1: Propanoic acid, 2-methyl-, (dodecahydro-6ahydroxy-9a-methyl-3methylene-,9dioxoazuleno[4,5-b] furan-6-yl) methyl ester; 2: 1,7,9-trimethyl-Methanocyclopenta [a]cyclopropa[e]cyclodecen-11one, 1a,2,5,5a,6,9,10,10a-octahydro5,5a,6-trihydroxy-1,4 bis(hydroxymethyl); 3: Pregn-4-ene-3,20-dione, 16,17-epoxy; 4: N, N'-Bis (Carbobenzyloxy)-lysine methyl ester; 5: alpha-N-Normethadol 6; 6: Propanoic acid, 2-methyl-, (dodecahydro-6ahydroxy-9a-methyl-3methylene-2,9dioxoazuleno[4,5-b] furan-6-yl) methyl ester; 7: Butanoic acid, 1a,2,5,5a,6,9,10,10a-octahydro5,5a-dihydroxy-4(hydroxymethyl)-1,1,7,9tetramethyl-11-oxo-1H-2,8amethanocyclopenta[a]cyclopropa[e]cyclodecen -6-yl ester; 8: Hydrocortisone Acetate; 9: Betamethasone acetate; 10: Octanoic acid, 1a,2,5,5a,6,9,10,10a-octahydro5,5a-dihydroxy-4(hydroxymethyl)-1,1,7,9tetramethyl-11-oxo-1H-2,8amethanocyclopenta[a]cyclopropa [e] cyclodecen -6-yl ester

subtilis 3.0 mm respectively. *n*-butanol extract showed marked activity against *E. coli* (14 mm) but low against *B. subtilis* (8 mm) inhibition zone. On the other hand, the standard Ampicillin showed activity 32 mm and 28 mm zone of inhibition against *E. coli* and *B. subtilis* respectively.

Biofilm activity of all these extracts were examined against the *S. aureus*. Chloroform (53 %), ethyl acetate (51.2 %) and *n*-hexane (50.6 %) extracts showed maximum percent inhibition of biofilm while the standard Ampicillin showed biofilm activity of 78.2 %. *n*-butanol exhibited minimum activity (5.1 %) against

