

Table S1. Peak information of *T. ficus* fruit flesh extracts.

Wavelength (nm)	Absorbance	Compound Class
water		
230	4.328	phenolics, flavonoids, alkaloids
248	4.348	phenolics, flavonoids, alkaloids
260	4.032	phenolics, flavonoids, alkaloids
ethanol		
228	2.667	phenolics, flavonoids, alkaloids
262	3.302	phenolics, flavonoids, alkaloids
295	3.322	phenolics, flavonoids, alkaloids
332	0.294	phenolics, flavonoids, alkaloids
667	0.17	chlorophyll
methanol		
230	3.034	phenolics, flavonoids, alkaloids
248	3.318	phenolics, flavonoids, alkaloids
277	3.332	phenolics, flavonoids, alkaloids
293	3.352	phenolics, flavonoids, alkaloids
320	3.035	phenolics, flavonoids, alkaloids
430	0.433	terpenes, carotenoids, tannins
660	-0.173	chlorophyll
propanol		
272	1.454	phenolics, flavonoids, alkaloids
306	1.746	phenolics, flavonoids, alkaloids
297	1.882	phenolics, flavonoids, alkaloids
418	0.567	terpenes, carotenoids, tannins
672	0.187	chlorophyll
acetone		
226	1.156	phenolics, flavonoids, alkaloids
409	0.643	terpenes, carotenoids, tannins
669	0.206	chlorophyll

Table S2. FTIR peaks interpretation of freeze-dried powdered *T. ficus* flesh.

Absorption (cm ⁻¹)	Group	Compound class
3859	O-H stretching	alcohol
3740	O-H stretching	alcohol
3286	O-H stretching	alcohol
2928	C-H stretching	lipid
2852	C-H stretching	aldehyde
2330	O=C=O	carbon dioxide
2202	C≡C stretching	alkyne
2115	C≡C stretching	alkyne
2035	C=C=C stretching	alkene
2013	C=C=C stretching	alkene
1790	C-H bending C=O stretching	aromatic compound
1738	C-H bending C=O stretching	aromatic compound
1612	C=C stretching	α,β-unsaturated ketone
1440	C-H bending	alkane

1410	O-H bending	carboxylic acid
1370	O-H bending	phenol
1318	O-H bending	phenol
1245	C-O stretching	alkyl aryl ether
1152	C-O stretching	aliphatic ether
1104	C-N stretching	aromatic amine
1054	C-O stretching	primary alcohol
1022	C-O stretching	primary alcohol
811.3	C=C bending	alkene
917.6	C=C bending	alkene
867.7	C-H bending	1,2,4-trisubstituted
811.3	C-H bending	1,2,4-trisubstituted
778.7	C-H bending	1,3-disubstituted
711.5	C-H bending	1,3-disubstituted
665.9	C-I stretching	halo Compound
629.1	C-I stretching	halo Compound
590.0	C-I stretching	halo Compound
555.3	C-I stretching	halo Compound
520.6	C-I stretching	halo Compound
464.2	O-H stretching	alcohol
418.7	O-H stretching	alcohol

Table S3. FTIR peaks interpretation of ethanol extract of *T. ficus* flesh.

Absorption (cm ⁻¹)	Group	Compound Class
3935	O-H stretching	alcohol
3908	O-H stretching	alcohol
3834	O-H stretching	alcohol
3740	O-H stretching	alcohol
3648	O-H stretching	alcohol
3590	O-H stretching	alcohol
3573	O-H stretching	alcohol
3313	N-H stretching	secondary amine
3007	O-H stretching	carboxylic acid
2957	O-H stretching	alcohol
2924	C-H stretching	lipid
2856	C-H stretching	alkane
2211	C≡N stretching	alkyne
2159	N=N=N stretching	azide
2142	C≡N stretching	nitrile
2035	C=C=C	alkene

2000	C=C=N	ketenimine
1973	C-H bending	aromatic compound
1950	C-H bending	aromatic compound
1746	C=O stretching	conjugated anhydride
1629	C=C stretching	conjugated alkene
1518	N-O stretching	nitro compound
1457	C-H bending	alkane
1415	O-H bending	alcohol
1378	O-H bending	phenol
1349	O-H bending	phenol
1263	C-O stretching	alkyl aryl ether
1154	C-O stretching	aliphatic ether
1083	C-O stretching	aliphatic ether
1057	C-O stretching	primary alcohol
1034	CO-O-CO stretching	anhydride
997.3	C=C bending	alkene
968.6	C=C bending	alkene
915.0	C=C bending	alkene
867.2	C-H bending	1,2,4-trisubstituted
821.3	C-H bending	1,2,3,4-tetrasubstituted
775.3	C-H bending	1,3-disubstituted
725.6	C-H bending	monosubstituted benzene derivative
639.5	C-H bending	monosubstituted benzene derivative
595.4	C-I stretching	halo compound
518.9	C-I stretching	halo compound



Figure S1. *T. ficus* preparation, A. Dissection picture of *T. ficus* showing yellow flesh and white seed; B. Dried *T. ficus* flesh; C. Dried *T. ficus* powder; D. Picture of rotator used to macerate *T. ficus* powder.

RT: 0.00 - 75.03

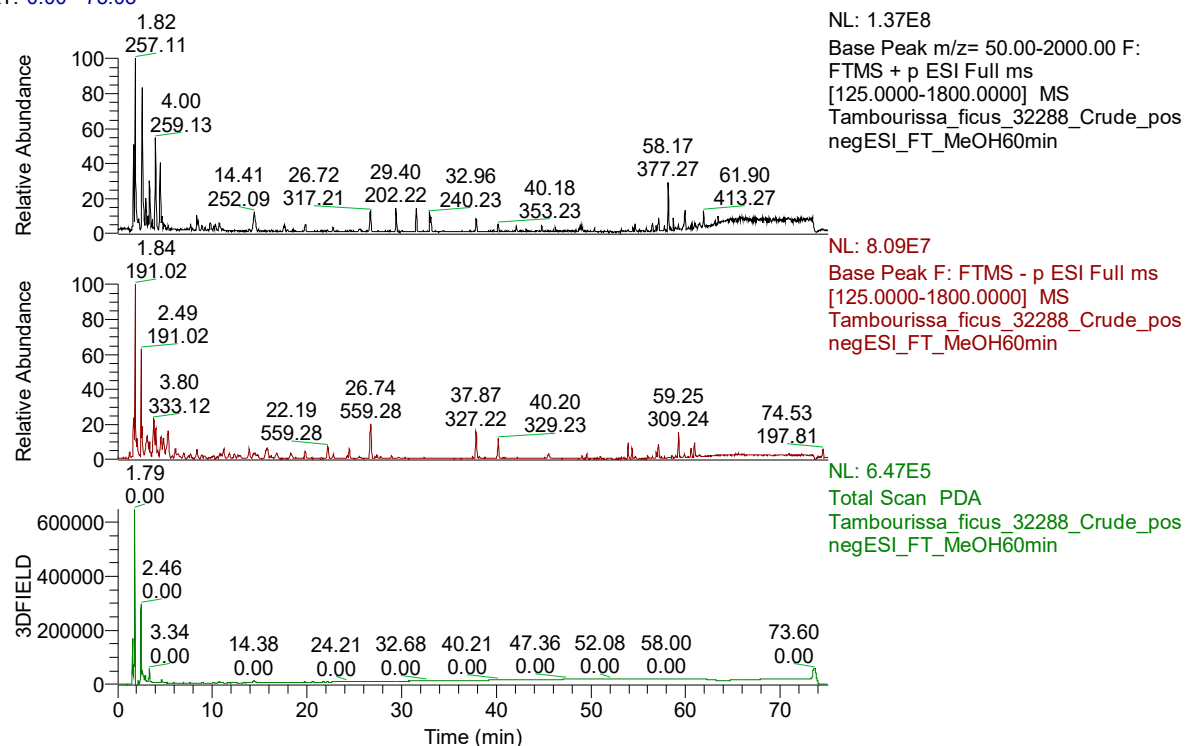


Figure S2. LC-MS chromatogram of methanol extract of *T. ficus*.