

[Supporting Information]

Modulation of *Tinospora rumphii* and Zinc salt on DNA damage in Quinoline-induced Genotoxicity and hepatotoxicity

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Table S1. Absorbance of the solutions obtained from Ferric thiocyanate (FTC) Method

Absorbance Reading				
Hours	Soluion	Average	SD	SEM
0	Sample	0.065	0.007874	0.004546
	Vit E	0.066333	0.004922	0.002841
	Blank	0.065667	0.003682	0.002126
24	Sample	0.102333	0.002055	0.001186
	Vit E	0.081667	0.009104	0.005256
	Blank	0.104	0.007789	0.004497
48	Sample	0.135333	0.001247	0.00072
	Vit E	0.110667	0.01147	0.006622
	Blank	0.142	0.009092	0.005249
72	Sample	0.164	0.007789	0.004497
	Vit E	0.137333	0.017308	0.009993
	Blank	0.174	0.008287	0.004784
96	Sample	0.170333	0.010209	0.005894
	Vit E	0.142333	0.019189	0.011079
	Blank	0.177	0.008287	0.004784
120	Sample	0.178667	0.015326	0.008849
	Vit E	0.156333	0.020822	0.012022
	Blank	0.187	0.008602	0.004967
144	Sample	0.195333	0.022395	0.01293
	Vit E	0.191	0.030243	0.017461
	Blank	0.215333	0.009809	0.005663
168	Sample	0.188333	0.017461	0.010081
	Vit E	0.192	0.032782	0.018927
	Blank	0.215	0.010614	0.006128

Table S2. Average bilirubin concentrations per treatment group in acute quinoline exposure.

Calculated Averages from Trials			
Mice treatment group	Conjugated bilirubin (mg/dL)	Total bilirubin (mg/dL)	Unconjugated bilirubin (mg/dL)
T0	1.703	3.839	2.136
TZ	1.475	2.228	0.754
TQ	4.321	5.603	1.281
TTEp	3.743	4.361	0.6185
pTTE	5.829	6.233	0.4043

Table S3. Average bilirubin concentrations per treatment group in chronic quinoline exposure.

Calculated Averages from Trials			
Mice treatment group	Conjugated bilirubin (mg/dL)	Total bilirubin (mg/dL)	Unconjugated bilirubin (mg/dL)
T0	0.266	0.75445	0.48845
TS	0.105	0.14325	0.03825
TTE/2	0.147	0.21965	0.07265
TTE	0.903	1.40385	0.625
TQ	0.98	2.12965	1.14965

Table S4. Average DNA migration (Tail Length) per treatment group in chronic quinoline exposure.

Treatment group	T0	TZ	TTEp	pTTE	TQ	TTE/2	TE
Ave	6.569898	6.738131	43.1255	54.11737	70.51731	5.601547	45.66111
SEM	0.260005	0.131717	3.034577	2.723543	5.67146	0.455998	5.803301