Supplementary Material

Table S1. Identification and relative contents of components in hazel leaf polyphenols.

Compound	Chemical formula	Relative content ($\times 10^4$)
Gallic acid	$C_7H_6O_5$	31.3±6.22
Gallocatechin	$C_{15}H_{14}O_7$	2.79±0.57
2,5-dihydroxybenzoic acid	$C_7H_6O_4$	5.78±1.26
Chlorogenic acid	$C_{16}H_{18}O_9$	4.13 ± 0.21
Quercetin-3-O-beta-D-glucopyranoside	$C_{21}H_{20}O_{12}$	36.75±7.61
P-Coumaric acid	$C_9H_8O_3$	16.33±3.89
Myricetin	$C_{15}H_{10}O_8$	74.32±12.87
Pedalitin	$C_{16}H_{12}O_7$	4.23 ± 0.91
Quercetin	$C_{15}H_{10}O_7$	154.91±24.28
Luteolin-7-O-glucoside	$C_{21}H_{20}O_{11}$	73.07±18.04
Caffeic acid	$C_9H_8O_4$	14.27±2.07
Resveratrol	$C_{14}H_{12}O_3$	4.59 ± 0.52
Luteolin	$C_{15}H_{10}O_6$	21.29±6.22
Ellagic acid	$C_{14}H_6O_8$	15.79 ± 4.37
Hydroxybenzoic acid	$C_7H_6O_3$	6.25±1.30
Quercetin-3-O-beta-D-glucuronide	$C_{21}H_{18}O_{13}$	6.43 ± 0.60
Kaempferol-3-O-rhamnoside	$C_{21}H_{20}O_{10}$	27.77± 5.36

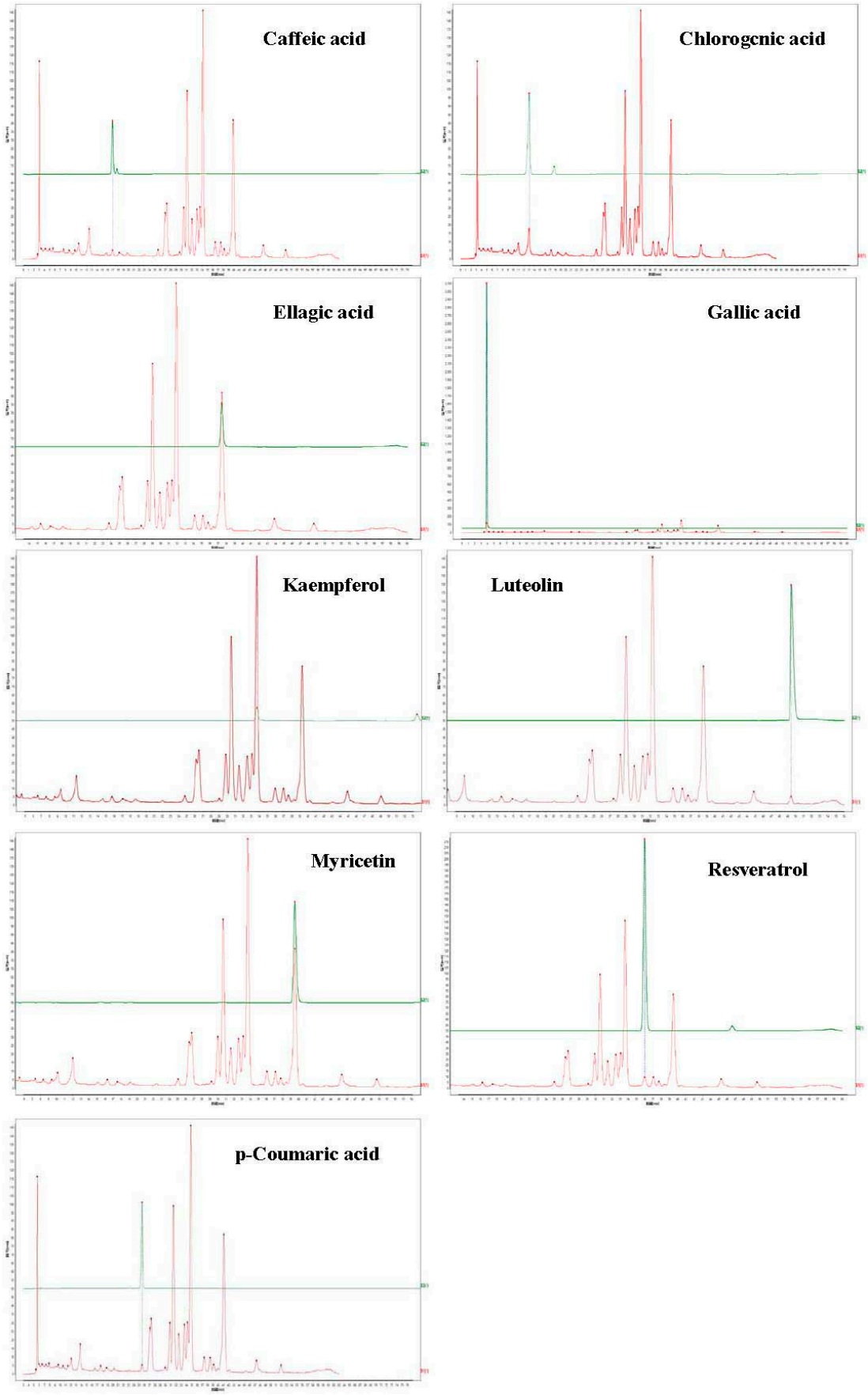

Figure S1. Composition of hazel leaf polyphenols versus standards.

Table S2. Acute toxicity test of hazel leaf polyphenols in zebrafish.

Groups	Hazel leaf polyphenols (μg/mL)	Mortality rate (%)
1	1000	98
2	700	51
3	500	23
4	300	16
5	100	0