

Supplementary Materials: New Trends on Antineoplastic Therapy Research: Bullfrog (*Rana catesbeiana* Shaw) Oil Nanostructured Systems

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Table S1. Characterization of the second batch of nanoemulsion systems based on bullfrog oil to determine the HLB_r after 60 days of evaluation at 25 °C.

HLB	Droplet Size (nm) ± SD	Polydispersity	Micro-Emultocrit (%) ± SD	pH ± SD	Conductivity (S/cm)
12.0	203.5 ± 20.6	0.23	2.4 ± 0.7	5.6 ± 1.4	105.6
12.1	212.0 ± 13.6	0.213	2.4 ± 0.5	5.2 ± 1.4	91.2
12.2	202.7 ± 21.6	0.22	2.4 ± 0.5	5.1 ± 1.5	100.8
12.3	205.6 ± 21.7	0.242	2.2 ± 0.4	5.3 ± 1.4	104.3
12.4	215.3 ± 20.9	0.227	3.0 ± 1.0	5.3 ± 1.5	109.8
12.5	202.9 ± 29.8	0.215	2.2 ± 0.7	5.4 ± 1.2	87.3
12.6	213.3 ± 22.0	0.23	2.2 ± 0.4	5.4 ± 1.4	101.2
12.7	199.6 ± 16.6	0.232	2.7 ± .04	5.1 ± 1.5	108.7
12.8	203.3 ± 20.8	0.233	2.4 ± 0.5	5.4 ± 1.4	87.4
12.9	209.3 ± 18.4	0.234	2.1 ± 0.3	5.3 ± 1.4	97.4
13.0	196.4 ± 17.3	0.215	2.0 ± 0.0	5.2 ± 1.4	90.5
13.1	210.7 ± 15.6	0.257	2.4 ± 1.1	5.2 ± 1.4	95.0
13.2	213.6 ± 15.7	0.229	2.4 ± 0.5	5.1 ± 1.5	109.2
13.3	201.9 ± 15.0	0.215	2.5 ± 0.5	5.0 ± 1.5	100.1
13.4	197.1 ± 23.9	0.227	2.2 ± 0.4	5.0 ± 1.6	112.1
13.5	208.1 ± 19.9	0.245	2.4 ± 0.5	5.1 ± 1.4	120.5
13.6	206.9 ± 15.5	0.266	3.2 ± 0.8	5.0 ± 1.5	108.9
13.7	194.4 ± 11.7	0.225	2.4 ± 0.5	5.0 ± 1.5	72.5
13.8	185.3 ± 14.3	0.236	2.4 ± 0.5	5.0 ± 1.6	115.4
13.9	193.7 ± 18.5	0.248	2.5 ± 0.5	5.0 ± 1.5	112.0
14.0	188.4 ± 22.2	0.261	2.7 ± 0.5	5.0 ± 1.5	120.4

HLB_r (required hydrophile-lipophile balance); SD (standard deviation).

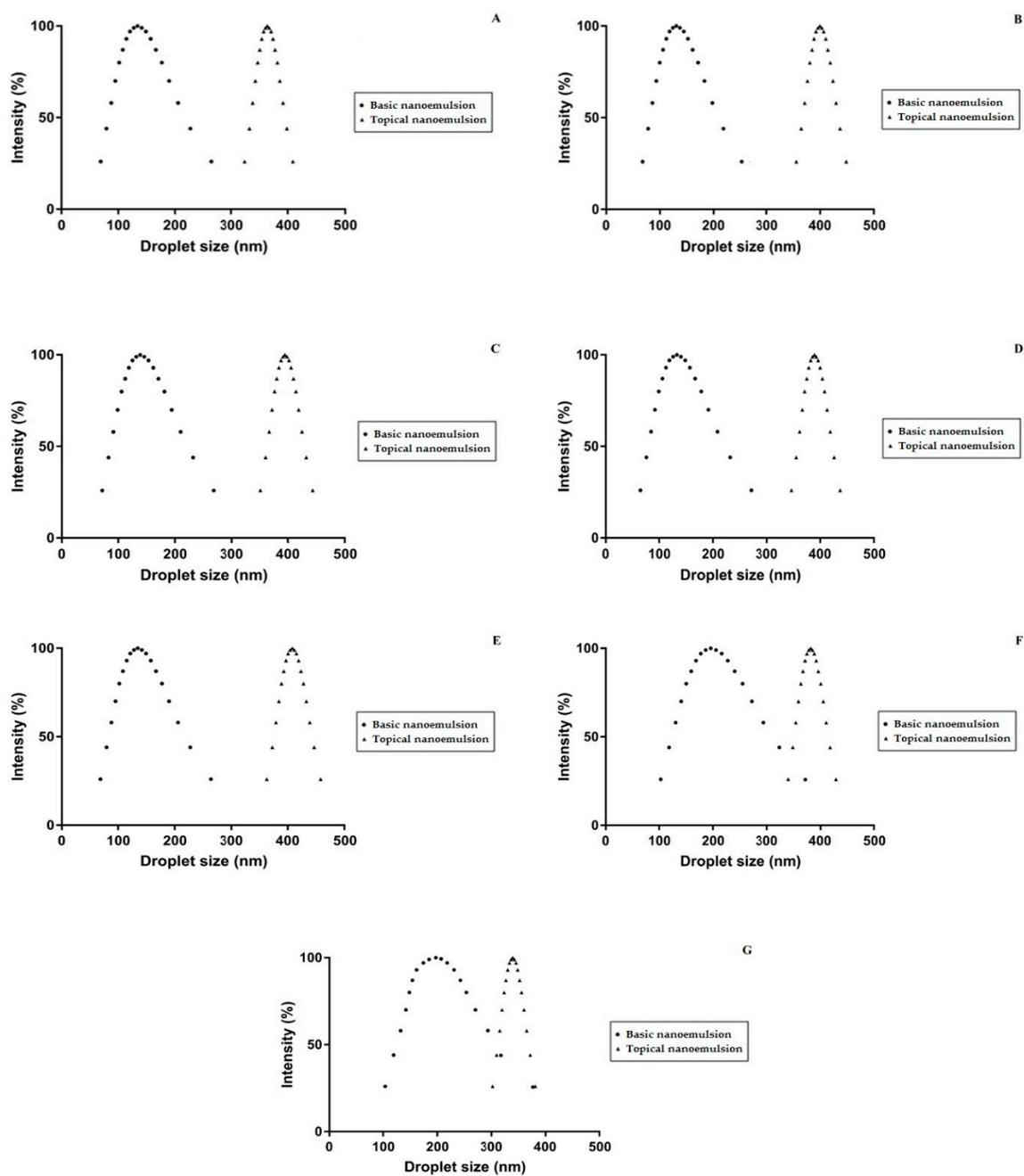


Figure S1. Dynamic Light Scattering (DLS) droplet size distribution of basic and topical nanoemulsion on stability study. (A) Day 0; (B) Day 1; (C) Day 7; (D) Day 15; (E) Day 30; (F) Day 60; (G) Day 90. ●: Basic nanoemulsion; ▲: Topical nanoemulsion.