



Supplementary Figure 1. Selectivity of doxorubicin (positive control) and AFD on human cancer cell lines - HCT116, MCF7 and A549. Selectivity index calculated as mean IC_{50} value to non-cancer proximal tubule epithelial cells HK-2 versus IC_{50} values to cancer cell line. The letters abc compare SI of cell lines treated with doxorubicin and xyz compare SI of cell lines treated with AFD. Means with different letters show statistical difference ($P < 0.05$). SI value ≥ 2 indicates high selectivity.

Supplementary Table 1. Cytotoxicity* of *A. loheri* fractions as tested against breast adenocarcinoma (MCF7) and lung carcinoma (A549) cells.

Extract/Fractions	MCF7	A549
Methanolic Crude	3.18 ± 0.54	5.33 ± 0.66
<i>Partitions:</i>		
Hexane	6.79 ± 3.08	9.11 ± 0.84
Ethyl Acetate	0.77 ± 0.16	1.97 ± 0.21
Aqueous	>100	>100
<i>GCC Fractions:</i>		
23	0.25 ± 0.03	0.32 ± 0.1
24	0.83 ± 0.09	0.89 ± 0.07
26	7.16 ± 0.83	6.96 ± 0.5
28	2.58 ± 0.48	2.87 ± 0.21
29	0.88 ± 0.18	1.09 ± 0.15
30	0.26 ± 0.02	0.95 ± 0.14
31	0.17 ± 0.004	0.34 ± 0.04
32	0.26 ± 0.03	0.88 ± 0.19
33	0.33 ± 0.01	0.76 ± 0.29
34	0.5 ± 0.07	1.58 ± 0.64
35	3.77 ± 1.35	6.32 ± 1.92
<i>FC Fractions:</i>		
FC9	9.36 ± 1.39	4.49 ± 1.08
FC10	10.86 ± 1.2	4.93 ± 1.15
<i>SEC Fractions:</i>		
SEC7	11.09 ± 2.7	7.22 ± 2.96
SEC8	5.37 ± 1.31	3.92 ± 2.57
<i>HPLC:</i>		
HPLC7/AFD	4.06 ± 0.21	7.57 ± 0.21
Doxorubicin	0.65 ± 0.25	0.4 ± 0.09

*IC₅₀ in µg/mL: concentration that inhibits cell viability by 50%.

Fractions selected in each fractionation process are in bold text. Doxorubicin was used as positive control. Values represent means ± SD, n = 3.