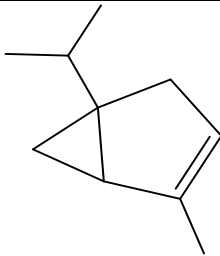
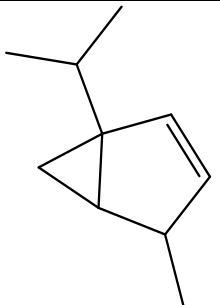
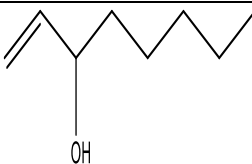
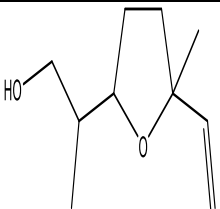
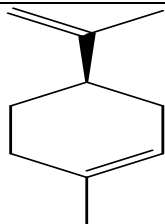
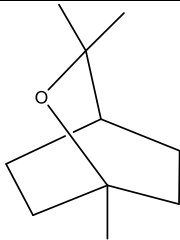
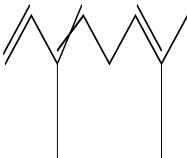
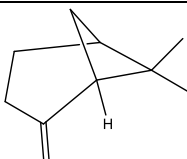
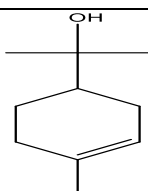

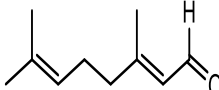
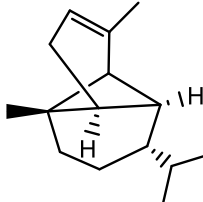
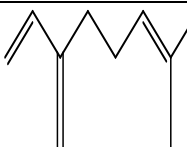
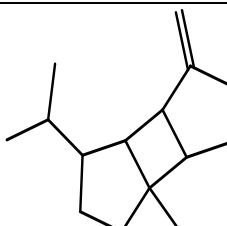
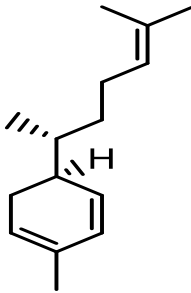
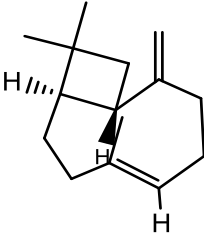
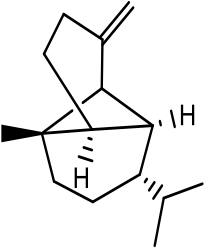
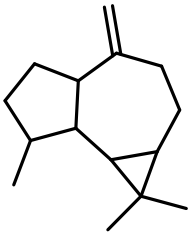
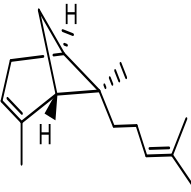
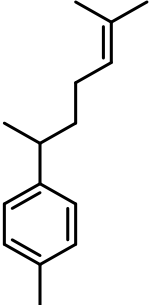
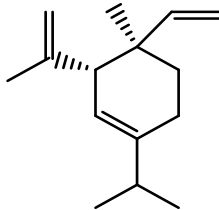
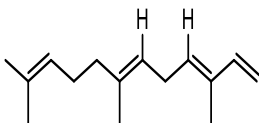
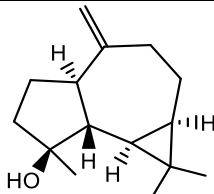
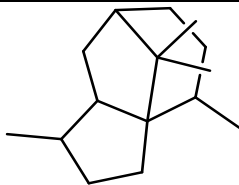


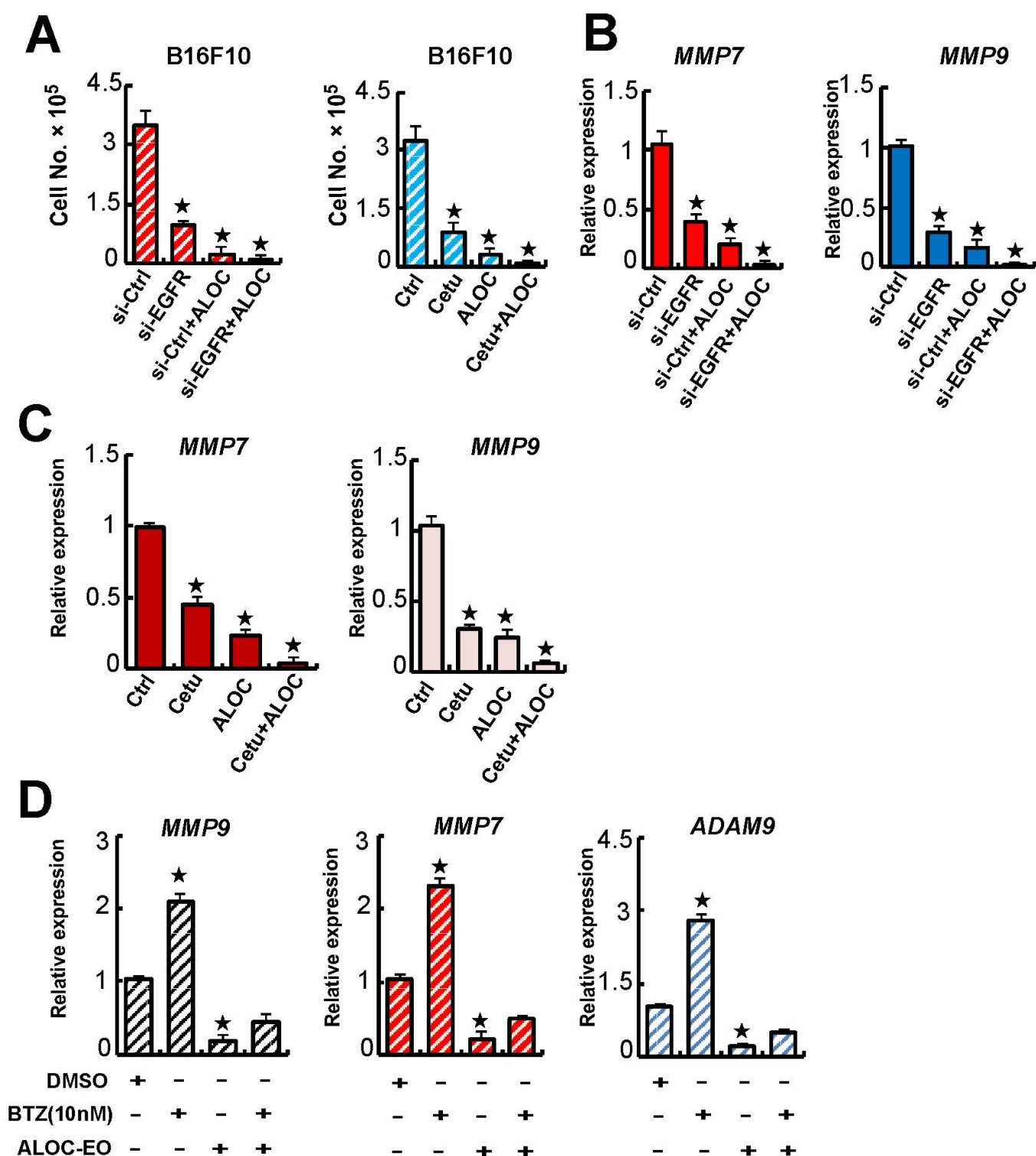
Supplementary Table S1. Chemical components of ALOC-EOs collected from the Nablus region, Palestine.

Scientific names	Names of EOs	Formula	Chemical structure	RT	RI <sub>calc</sub>	RT <sub>Litr</sub>	% of EOs
2-methyl-5-propan-2-ylbicyclo[3.1.0]hex-2-ene	$\alpha$ -Thujene	C <sub>10</sub> H <sub>16</sub>		8.71	821	821	0.27
4-methyl-1-propan-2-ylbicyclo[3.1.0]hex-2-ene	$\beta$ -Thujene	C <sub>10</sub> H <sub>16</sub>		10.5 1	874	875	0.83
1-Octen-3-ol	Morillool	C <sub>8</sub> H <sub>16</sub> O		10.7 9	712	712	0.18
2-(5-ethenyl-5-methyloxolan-2-yl)propan-1-ol	Lilac alcohol C	C <sub>10</sub> H <sub>18</sub> O 2		10.9 6	597	598	1.06
(4R)-1-methyl-4-prop-1-en-2-ylcyclohexene	D-Limonene	C <sub>10</sub> H <sub>16</sub>		12.7 1	895	894	14.8 4
1,3,3-trimethyl-2-oxabicyclo[2.2.2]octane	Eucalyptol	C <sub>10</sub> H <sub>18</sub> O		12.8 3	826	827	4.48

3,7-dimethylocta-1,3,6-triene	$\beta$ -Ocimene	C <sub>10</sub> H <sub>16</sub>		13.4 5	873	872	0.92
(1S,5S)-6,6-dimethyl-2-methylidenebicyclo[3.1.1]heptane	$\beta$ -Pinene	C <sub>10</sub> H <sub>16</sub>		15.6 3	902	902	0.31
2-(4-methylcyclohex-3-en-1-yl)propan-2-ol	$\alpha$ -Terpineol	C <sub>10</sub> H <sub>18</sub> O		19.2 9	903	902	1.99
2,6-Octadienal, 3,7-dimethyl-	<b>Neral</b>	C <sub>10</sub> H <sub>16</sub> O		20.9 3	723	722	20.0
(2E)-3,7-dimethylocta-2,6-dienal	<b>Geranial</b>	C <sub>10</sub> H <sub>16</sub> O		21.9 7	838	838	26.6 1
(1S,6S,7S,8S)-1,3-dimethyl-8-propan-2-yltricyclo[4.4.0.0 <sup>2,7</sup> ]dec-3-ene	Copaene	C <sub>15</sub> H <sub>24</sub>		25.5 9	832	832	0.46
7-methyl-3-methylideneocta-1,6-diene	$\beta$ -Myrcene	C <sub>10</sub> H <sub>16</sub>		25.6 8	738	737	1.14
1-methyl-5-methylidene-8-propan-2-yltricyclo[5.3.0.0 <sup>2,6</sup> ]decane	$\beta$ -Bourbonene	C <sub>15</sub> H <sub>24</sub>		25.8 7	859	859	0.42

2-methyl-5-(6-methylhept-5-en-2-yl)cyclohexa-1,3-diene	$\alpha$ -Zingiberene	C <sub>15</sub> H <sub>24</sub>		26.9 3	789	791	0.51
(1 <i>R</i> ,4 <i>E</i> ,9 <i>S</i> )-4,11,11-trimethyl-8-methylidenebicyclo[7.2.0]undec-4-ene	$\beta$ -Caryophyllene	C <sub>15</sub> H <sub>24</sub>		27.0 4	890	890	3.33
(1 <i>S</i> ,6 <i>S</i> ,7 <i>S</i> ,8 <i>S</i> )-1-methyl-3-methylidene-8-propan-2-yltricyclo[4.4.0.0 <sup>2,7</sup> ]decane	$\beta$ -Copaene	C <sub>15</sub> H <sub>24</sub>		27.1 8	716	717	0.16
1,1,7-trimethyl-4-methylidene-2,3,4 <i>a</i> ,5,6,7,7 <i>a</i> ,7 <i>b</i> -octahydro-1 <i>aH</i> -cyclopropa[e]azulene	Aromadendrene	C <sub>15</sub> H <sub>24</sub>		28.3 3	825	825	0.43
(1 <i>S</i> ,5 <i>S</i> ,6 <i>R</i> )-2,6-dimethyl-6-(4-methylpent-3-enyl)bicyclo[3.1.1]hept-2-ene	trans- $\alpha$ -Bergamotene	C <sub>15</sub> H <sub>24</sub>		28.6	727	726	0.24
1-methyl-4-(6-methylhept-5-en-2-yl)benzene	$\alpha$ -Curcumene	C <sub>15</sub> H <sub>22</sub>		28.9 6	896	896	13.9 7

(3 <i>R</i> ,4 <i>R</i> )-4-ethenyl-4-methyl-1-propan-2-yl-3-prop-1-en-2-ylcyclohexene	$\delta$ -Elemene	C <sub>15</sub> H <sub>24</sub>		29.4 5	781	781	0.62
(3 <i>E</i> ,6 <i>E</i> )-3,7,11-trimethyldodeca-1,3,6,10-tetraene	$\alpha$ -Farnesene	C <sub>15</sub> H <sub>24</sub>		31.3 9	772	772	0.96
(1 <i>aR</i> ,4 <i>aR</i> ,7 <i>S</i> ,7 <i>aR</i> ,7 <i>bR</i> )-1,1,7-trimethyl-4-methylidene-1 <i>a</i> ,2,3,4 <i>a</i> ,5,6,7 <i>a</i> ,7 <i>b</i> -octahydrocyclopropa[ <i>h</i> ]azulen-7-ol	Spathulenol	C <sub>15</sub> H <sub>24</sub> O		31.9 1	735	735	1.72
4,10,11,11-tetramethyltricyclo[5.3.1.0 <sup>1,5</sup> ]undecane	Patchoulane	C <sub>15</sub> H <sub>26</sub>		32.0 7	851	851	4.53
Total							100
Phytochemical classification of <i>A. citrodora</i> EO							
Hydrocarbon monoterpene							18.3 1
Oxygenated monoterpene							54.1 6
Hydrocarbon sesquiterpene							25.6 3
Oxygenated sesquiterpene							1.72
Fatty alcohol							0.18
Total							100



**Supplementary Figure S1.** ALOC-EC inhibits myelosuppression-induced protease expression. (A-C) B16F10 EGFR control cells or cells where EGFR had been blocked either by gene silencing with siRNA (si-EGFR; left panel) or due to the addition of neutralizing antibodies against EGFR (Cetuxamib) were cultured in the presence or absence of ALOC-EO (n=3/group). (A) Proliferation using a cell count was done after 24 h in culture. (B and C) Cells were collected 24 h after the addition of ALOC-EO as indicated, the expression of MMP7 and MMP9 were determined by qPCR. Presented is relative gene expression. Transcript levels were normalized to b-actin. (D) B16F10 cells

were treated with BTZ (10 nM) in the presence or absence of 100 ug/ml ALOC-EO. Fold expression of MMP7/9, ADAM9, in cells treated with indicated drug combinations as determined by qPCR. (G and H) Viable cells were counted after 24 h using the try-pan blue exclusion assay (n=6). The results of three independent experiments performed in triplicate are expressed as fold change according to  $2^{-\Delta\Delta CT}$  method using b-actin as calibrator. Transcript levels were normalized to b-actin (n=3/group).