

Article

Peucedanum ostruthium inhibits E-selectin and VCAM-1 expression in endothelial cells through interference with NF- κ B signaling.

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Figure S1

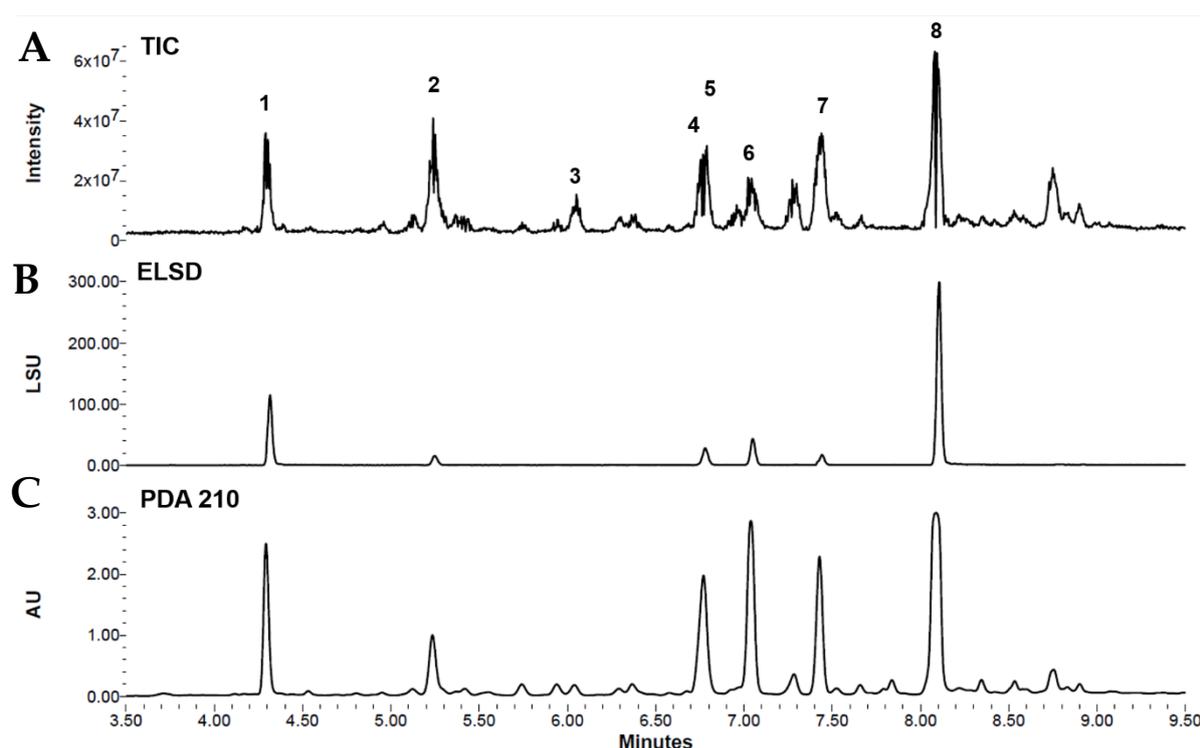


Figure S1 UPLC of PO showing the (A) total ion chromatogram (TIC, positive mode) with annotated compounds 1 – 8 (Table S1), (B) ELSD chromatogram, and (C) PDA 210 nm chromatogram.

Figure S2

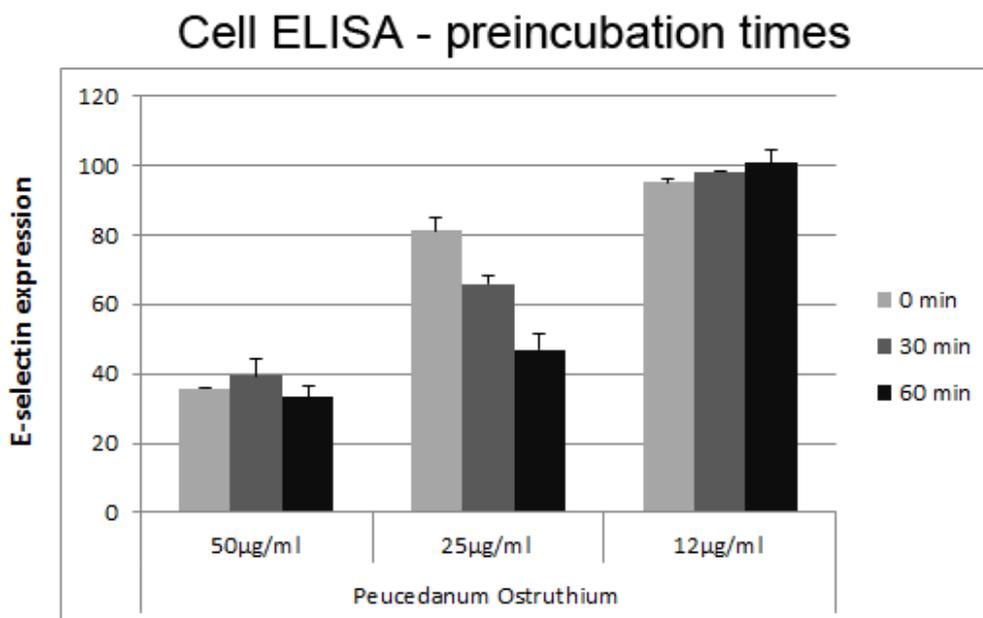


Figure S2 Pre-incubation time with PO affects its inhibitory potential.

Figure S3

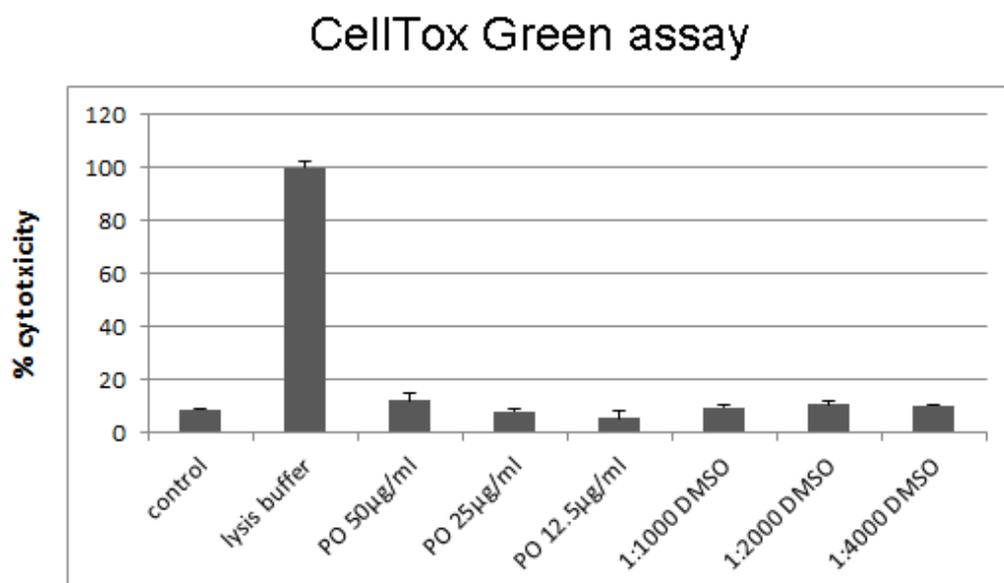


Figure S3 Cytotoxicity of PO extract.

Table S1 Results from the dereplication of PO via literature search

	Retention time [min]	<i>m/z</i> value [positive mode]	Estimated molecular weight [g/mol]	Proposed compound	CAS Registry Number
1	4.293	305.05	304.0	oxypeucedanin hydrate	2643-85-8
2	5.245	319.04	318.0	oxypeucedanin methanolate	52939-12-5
3	6.039	287.09	286.0	oxypeucedanin	26091-73-6
4	6.747	261.15	260.1	peucenin	578-72-3
5	6.784	387.11	386.1	ostruthol	642-08-0
6	7.040	271.13	270.1	imperatorin	482-44-0
7	7.420	271.11	270.1	isoimperatorin	482-45-1
8	8.066	299.13	298.1	ostruthin	148-83-4

Table S2 Primers for real-time PCR

Name	Forward (5'-3')	Reverse (5'-3')
glyceraldehyde 3-phosphate dehydrogenase (GAPDH)	AGAAGGCTGGGGCTCATTT	CTAAGCAGTTGGTGGTGCAG
E-selectin (SELE)	CCTGTGAAGCTCCCACTGA	GGCTTTTGGTAGCTTCCATCT
vascular cell adhesion molecule 1 (VCAM1)	CCGGCTGGAGATATTAC	TGTATCTCTGGGGGCAACAT



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