

Dietary zerumbone from shampoo ginger: new insights into its antioxidant and anticancer activity

Corresponding Author: Antonella Rosa

* To whom correspondence should be addressed. Fax: ++39/070/6754032; Tel: ++39/070/6754124;

E-mail address: anrosa@unica.it

Supplementary information

ESI 1. Calibration curves for fatty acid quantification in cancer HeLa cells.

Fatty acid	Retention time (min)	Mass o.c. (ng)	Correlation coefficient (R ²)	Calibration Curve Equation	LOD (ng o.c.)
<i>ELSD detection (quadratic curve)</i>					
14:0	5.3	500-3500	0.9950	$y = 31.79x^2 - 68.088x + 73.757$	100
16:0	11.0	1000-3500	0.9909	$y = 11.834x^2 + 160.12x - 0.81$	100
18:0	23.6	500-3000	0.9995	$y = 9.2768x^2 + 0.4854x + 21.97$	150
<i>DAD detection at 200 nm (linear curve)</i>					
16:1 n-7	6.1	1000-10000	0.9768	$y = 849.09x - 575.16$	50
18:1 n-9	12.5	1000-10000	0.9705	$y = 548.06x - 332.64$	100
18:2 n-6	7.3	500-6000	0.9953	$y = 1080.7x - 742.11$	25
18:3 n-3	4.7	500-6000	0.9835	$y = 1142.4x - 808.03$	10
20:3 n-6	9.1	500-6000	0.9952	$y = 1364.9x - 885.0$	25
20:4 n-6	6.6	500-6000	0.9973	$y = 1951.4x - 1075.7$	10
20:5 n-3	4.5	500-6000	0.9960	$y = 2338.4x - 1315.7$	5
22:5 n-3	7.4	1000-6000	0.9626	$y = 5182.9x - 2319.8$	5
22:6 n-3	5.8	500-6000	0.9961	$y = 2233.1x - 1005.6$	5

Abbreviation: o.c., on column; LOD, Limit of Detection.