

Figure S1: LC-MS chromatogram

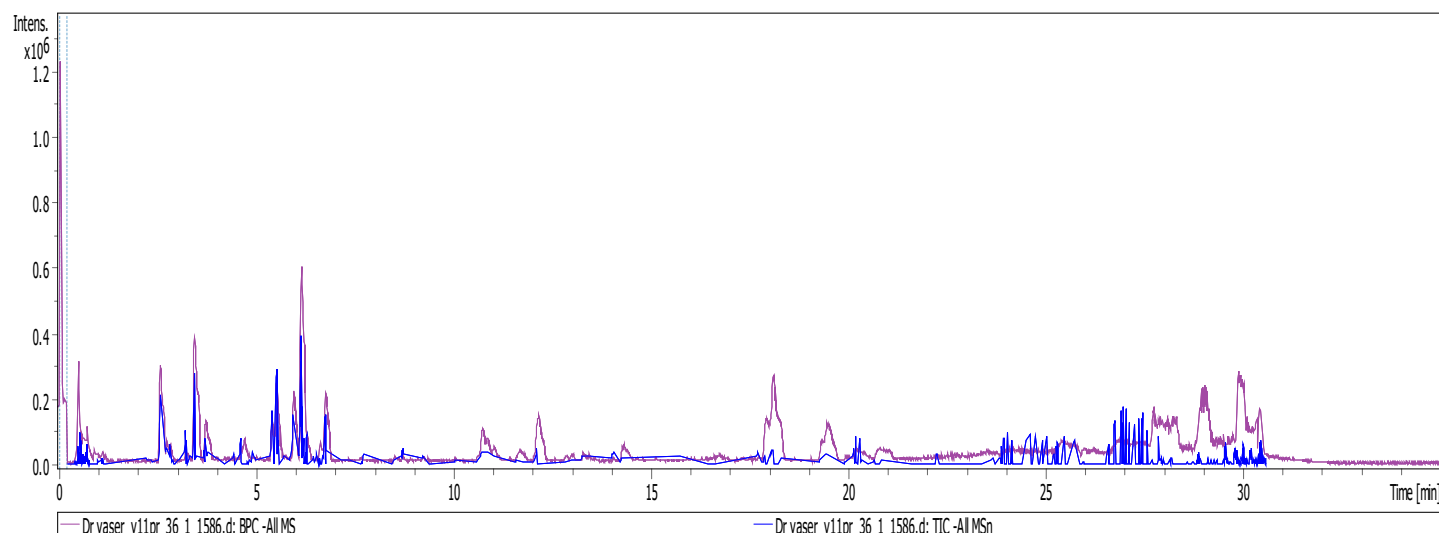


Table S1: Anti-inflammatory activity raw data

Olive Oil	0 Hour	1 Hour	2 Hour	3 Hour	6 Hour	24 Hour
Rat 1	1	1.06	1.55	1.62	1.6	1.49
Rat 2	1.02	1.05	1.47	1.46	1.48	1.42
Rat 3	1.07	1.11	1.53	1.55	1.54	1.49
Rat 4	1.03	1.07	1.52	1.54	1.54	1.47
Rat 5	1.04	1.08	1.53	1.55	1.55	1.48
Rat 6	1.02	1.06	1.51	1.53	1.53	1.46
Average	1.03	1.07	1.52	1.54	1.54	1.47
S.D	0.02	0.02	0.03	0.05	0.04	0.03
n	6.00	6.00	6.00	6.00	6.00	6.00
S.E	0.01	0.01	0.01	0.02	0.02	0.01
Diclofenac						
Rat 1	0.95	0.97	1	1.14	1.21	1.32
Rat 2	0.99	1.01	1.03	1.11	1.19	1.29
Rat 3	0.96	0.97	0.99	1.04	1.15	1.25
Rat 4	0.97	0.98	1.01	1.10	1.18	1.29
Rat 5	0.98	0.99	1.02	1.11	1.19	1.3
Rat 6	0.96	0.97	1	1.09	1.17	1.28
Average	0.97	0.98	1.01	1.10	1.18	1.29
S.D	0.01	0.02	0.01	0.03	0.02	0.02
n	6.00	6.00	6.00	6.00	6.00	6.00
S.E	0.01	0.01	0.01	0.01	0.01	0.01
Aq.-ethanol						
Rat 1	1.06	0.9	0.92	1.1	1.4	1.45
Rat 2	1.04	0.76	0.81	0.92	0.97	1.18

Rat 3	1.02	1.02	0.9	1.01	1.1	1.36
Rat 4	1.04	0.89	0.88	1.01	1.16	1.33
Rat 5	1.05	0.9	0.99	1.02	1.17	1.34
Rat 6	1.03	0.88	0.87	1	1.15	1.32
Average	1.04	0.89	0.89	1.01	1.16	1.33
S.D	0.01	0.08	0.06	0.06	0.14	0.09
n	6.00	6.00	6.00	6.00	6.00	6.00
S.E	0.01	0.03	0.02	0.02	0.06	0.04

n-hexane						
Rat 1	1.09	1.36	1.41	1.25	1.29	1.22
Rat 2	1.09	1.12	1.36	1.52	1.5	1.08
Rat 3	1.07	1.12	1.25	1.38	1.43	1.2
Rat 4	1.08	1.20	1.34	1.38	1.41	1.17
Rat 5	1.09	1.21	1.35	1.39	1.42	1.18
Rat 6	1.07	1.19	1.33	1.37	1.4	1.16
Average	1.08	1.20	1.34	1.38	1.41	1.17
S.D	0.01	0.09	0.05	0.09	0.07	0.05
n	6.00	6.00	6.00	6.00	6.00	6.00
S.E	0.00	0.04	0.02	0.03	0.03	0.02

Ethyl acetate						
Rat 1	0.99	1.07	0.98	1	0.98	1.24
Rat 2	1.07	1.14	0.99	1.24	1.15	1.07
Rat 3	1.08	1.39	1.26	1.3	1.5	1.3
Rat 4	1.05	1.20	1.08	1.18	1.21	1.20
Rat 5	1.06	1.21	1.09	1.19	1.22	1.21
Rat 6	1.04	1.19	1.07	1.17	1.2	1.19
Average	1.05	1.20	1.08	1.18	1.21	1.20
S.D	0.03	0.11	0.10	0.10	0.17	0.08
n	6.00	6.00	6.00	6.00	6.00	6.00
S.E	0.01	0.04	0.04	0.04	0.07	0.03

Chloroform						
Rat 1	1.02	1.07	1.18	1.35	1.57	1.57
Rat 2	1.08	1.01	1.01	1.08	1.07	1.15
Rat 3	1.07	1.07	1.08	1.08	1.4	1.42
Rat 4	1.06	1.05	1.09	1.17	1.35	1.38
Rat 5	1.07	1.06	1.1	1.18	1.36	1.39
Rat 6	1.05	1.04	1.08	1.16	1.34	1.37
Average	1.06	1.05	1.09	1.17	1.35	1.38
S.D	0.02	0.02	0.05	0.10	0.16	0.13
n	6.00	6.00	6.00	6.00	6.00	6.00
S.E	0.01	0.01	0.02	0.04	0.07	0.06

Percentage inhibition of inflammation						
CMC vs Diclofenac		8.39	33.60	28.82	23.23	12.26

CMC vs Ethanol		16.79	41.07	34.51	24.82	9.39
CMC vs n-hexane		- 11.92	11.71	10.37	8.59	20.44
CMC vs Ethyl acetate		- 11.92	28.99	23.49	21.43	18.09
CMC vs Chloroform		2.07	28.18	24.14	12.48	5.98

Table S2: Analgesic activity raw data

Olive Oil	0 Min	30 Mins	60 Mins	90 Mins	120 Mins
Mice 1	14.0	15.0	9.0	10.7	7.9
Mice 2	7.0	10.0	9.2	11.0	10.5
Mice 3	10.9	12.0	12.0	12.1	12.0
Mice 4	14.0	15.0	9.0	10.7	7.9
Mice 5	7.0	10.0	9.2	11.0	10.5
Mice 6	10.9	12.0	12.0	12.1	12.0
Mean	10.63	12.33	10.07	11.27	10.13
SD	3.14	2.25	1.50	0.66	1.86
n	6.00	6.00	6.00	6.00	6.00
SEM	1.28	0.92	0.61	0.27	0.76

Diclofenac					
Mice 1	9.4	8.3	13.1	14.2	10.8
Mice 2	12.1	14.0	15.0	15.0	15.0
Mice 3	11.7	15.0	15.0	15.0	15.0
Mice 4	9.4	8.3	13.1	14.2	10.8
Mice 5	12.1	14.0	15.0	15.0	15.0
Mice 6	11.7	15.0	15.0	15.0	15.0
Mean	11.07	12.43	14.37	14.73	13.60
SD	1.30	3.23	0.98	0.41	2.17
n	6.00	6.00	6.00	6.00	6.00
SEM	0.53	1.32	0.40	0.17	0.89

Aq.-ethanol					
Mice 1	11.1	10.0	13.5	13.6	15.0
Mice 2	8.3	9.5	15.0	15.0	15.0
Mice 3	15.0	15.0	15.0	15.0	15.0
Mice 4	11.1	10.0	13.5	13.6	15.0
Mice 5	8.3	9.5	15.0	15.0	15.0
Mice 6	15.0	15.0	15.0	15.0	14.9
Mean	11.47	11.50	14.50	14.53	14.98
SD	3.01	2.72	0.77	0.72	0.04
n	6.00	6.00	6.00	6.00	6.00
SEM	1.23	1.11	0.32	0.30	0.02

n-hexane					
Mice 1	7.4	13.0	7.6	10.6	10.7

Mice 2	10.2	12.3	14.7	13.6	15.0
Mice 3	5.2	12.0	15.0	13.7	15.0
Mice 4	7.4	13.0	7.6	12.0	10.7
Mice 5	10.2	12.3	14.7	13.6	15.0
Mice 6	5.2	12.0	15.0	13.7	15.0
Mean	7.60	12.43	12.43	12.87	13.57
SD	2.24	0.46	3.75	1.29	2.22
n	6.00	6.00	6.00	6.00	6.00
SEM	0.92	0.19	1.53	0.53	0.91
Ethyl acetate					
Mice 1	9.0	8.1	10.2	10.8	11.0
Mice 2	10.0	10.0	14.6	11.3	12.6
Mice 3	9.0	6.3	11.9	13.5	15.0
Mice 4	13.0	8.1	10.2	11.6	11.0
Mice 5	10.0	10.0	14.6	11.3	12.6
Mice 6	7.3	6.3	10.9	13.5	15.0
Mean	9.72	8.13	12.07	11.99	12.87
SD	1.89	1.65	2.06	1.18	1.80
n	6.00	6.00	6.00	6.00	6.00
SEM	0.77	0.68	0.84	0.48	0.74
Chloroform					
Mice 1	9.8	8.3	8.4	11.5	12.5
Mice 2	9.9	10.4	15.0	15.0	15.0
Mice 3	6.9	14.9	15.0	9.3	13.3
Mice 4	9.8	8.3	8.4	11.5	12.5
Mice 5	9.9	10.4	15.0	15.0	15.0
Mice 6	6.9	14.9	15.0	9.3	13.3
Mean	8.87	11.20	12.80	11.93	13.60
SD	1.52	3.02	3.41	2.57	1.14
n	6.00	6.00	6.00	6.00	6.00
SEM	0.62	1.23	1.39	1.05	0.47
% inhibition of pain					
CMC vs Diclofenac	9.92	3.75	87.16	92.86	71.23
CMC vs Ethanol	19.08	-31.25	89.86	87.50	99.66
CMC vs n-hexane	-69.47	3.75	47.97	42.86	70.55
CMC vs Ethyl acetate	-20.99	- 157.50	40.54	19.42	56.16
CMC vs Chloroform	-40.46	-42.50	55.41	17.86	71.23

Table S3: Cytotoxic activity raw data

Conc. µg/ml	MDA			Average	S.D	n	S.E
400	95.29	96.79	89.72	93.93	3.73	3	2.15

200	97.64	97.64	99.57	98.28	1.11	3	0.64
100	98.07	116.27	99.79	104.71	10.05	3	5.80
50	105.78	91.01	101.28	99.36	7.57	3	4.37
25	112.63	114.99	113.49	113.70	1.19	3	0.69
12.5	115.42	104.71	110.92	110.35	5.38	3	3.10
6.25	101.07	101.93	105.57	102.86	2.39	3	1.38

	PANC-1						
400	65.22	67.89	77.26	70.12	6.32	3	3.65
200	97.32	119.06	99.33	105.24	12.01	3	6.94
100	118.73	111.04	128.43	119.40	8.71	3	5.03
50	109.7	138.46	112.37	120.18	15.89	3	9.17
25	101	109.03	102.34	104.12	4.30	3	2.48
12.5	122.07	132.11	131.77	128.65	5.70	3	3.29
6.25	107.36	106.76	124.08	112.73	9.83	3	5.68

	MCF7						
400	88.2	90.49	83	87.23	3.84	3	2.22
200	110.92	98.84	113.28	107.68	7.75	3	4.47
100	94.41	89.98	84.91	89.77	4.75	3	2.74
50	103	101.93	102.14	102.36	0.57	3	0.33
25	128.27	108.97	97.99	111.74	15.33	3	8.85
12.5	105.7	87.13	122.48	105.10	17.68	3	10.21
6.25	121.13	111.56	107.28	113.32	7.09	3	4.09

	Fibroblast						
400	64.24	64.03	69.16	65.81	2.90	3	1.68
200	84.15	91.01	96.79	90.65	6.33	3	3.65
100	87.37	85.44	89.51	87.44	2.04	3	1.18
50	105.35	100	90.58	98.64	7.48	3	4.32
25	100.64	105.35	113.49	106.49	6.50	3	3.75
12.5	116.49	119.49	108.78	114.92	5.52	3	3.19
6.25	114.56	104.07	113.06	110.56	5.67	3	3.28