Supplementary: Modulation of the primary astrocyte-enriched cultures oxylipin profiles reduces neurotoxicity

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Table S1. Mean (SD) PUFAs and oxylipins released from astrocytes treated with ML355 and Zileuton alone or in combination with LPS for 24h fold to control.

No	LPS 24h	ML355	ML355 + LPS 24h	Zileuton	Zileuton + LPS 24h
Sample	mean ± SD	mean ± SD	mean ± SD	mean ± SD	mean ± SD
EPA	0.21±0.04	1.21±0.34	0.27±0.06	2.02±0.39	0.22±0.03
DHA	0.35±0.04	1.10±0.02	0.31±0.01	1.28±0.39	0.35±0.02
AA	0.26±0.03	1.20±0.27	0.30±0.04	1.34±0.41	0.28±0.01
12-HHT	11.29±4.06	6.71±0.20	16.65±5.44	4.36±1.05	1.43±1.44
6-keto-PGF1a	35.34±3.57	1.31±0.23	18.48±2.10	0.90±0.16	4.86±0.22
PGA2+PGJ2	24.45±2.12	1.21±0.43	11.77±2.46	0.95±0.23	3.52±0.22
PGE2	249.89±54.64	6.53±2.89	61.85±14.20	3.68±1.03	11.94±1.60
PGD2	36.13±5.35	1.47±0.45	16.01±2.20	0.98±0.20	3.68±0.64

PGF2a	15.09±6.65	1.50±0.20	2.84±0.80	1.28±0.31	1.44±0.47
TXB2	9.74±0.93	1.09±0.13	7.12±0.24	0.84±0.21	3.04±0.12
11-HETE	8.50±0.50	0.86±0.22	4.27±0.75	0.85±0.23	1.06±0.17
13-HDoHE	3.85±0.21	0.78±0.12	1.17±0.40	0.92±0.11	1.20±0.34
14.15-DHET	1.19±0.26	0.82±0.39	0.94±0.28	0.74±0.28	0.68±0.16
17.18-DiHETE	1.12±0.07	1.09±0.16	0.94±0.05	0.83±0.37	1.23±0.02
12.13-DiHOME	0.93±0.27	1.24±0.43	1.22±0.39	1.70±0.26	1.16±0.02
9.10-DiHOME	1.17±0.58	1.37±0.81	1.28±0.27	2.01±0.60	1.04±0.01
20-HDoHE	1.78±0.44	1.17±0.19	1.47±0.14	1.18±0.19	1.09±0.24
12-HETE	0.65±0.19	0.84±0.07	0.62±0.14	1.11±0.14	0.36±0.08
5-HETE	0.43±0.36	1.28±0.47	0.19±0.21	1.31±0.21	0.31±0.13
13-HODE	1.94±1.43	1.06±0.34	1.32±0.20	1.31±0.20	1.18±0.01
13-KODE	1.62±0.65	1.43±0.52	1.20±0.45	0.51±0.18	0.93±0.09
9-HODE	2.09±2.42	1.05±0.33	1.52±0.26	1.30±0.11	0.99±0.21
9-KODE	1.17±0.56	1.37±0.63	1.52±0.11	1.61±0.20	1.21±0.12
16-HDoHE	1.12±0.16	0.87±0.10	0.91±0.21	0.91±0.17	0.68±0.12
4-HDoHE	0.24±0.12	1.06±0.35	0.52±0.06	0.73±0.13	0.53±0.35
8-HDoHE	0.28±0.18	1.51±0.51	0.54±0.18	0.91±0.17	0.27±0.16

14-HDoHE	2.06±1.32	2.87±0.75	6.67±1.27	3.81±1.04	1.94±0.03
17-HDoHE	1.05±0.53	1.13±0.28	1.39±0.36	0.51±0.11	0.23±0.04
11-HDoHE	1.24±0.45	0.89±0.36	0.70±0.21	0.95±0.13	1.03±0.07