

Raw data

Behavioral tests

Splash test

CTRL	LF CTRL	CRS	CRS+LF	CRS+LF+LY294002
250	252	60	146	62
245	246	55	160	58
254	256	65	151	64
248	250	70	163	68
252	248	66	154	68
246	248	68	149	70
244	247	72	178	74
255	254	64	159	68
256	252	62	157	64
249	250	63	160	65

Tail Suspension Test

CTRL	LF CTRL	CRS	CRS+LF	CRS+LF+LY294002
150	148	220	180	218
145	144	222	175	224
156	158	225	178	228
160	157	222	174	220
155	156	218	182	221
156	152	224	179	226
150	153	221	172	222
152	155	226	170	228
154	156	228	177	230
152	150	220	168	222

Forced Swimming Test

CTRL	LF CTRL	CRS	CRS+LF	CRS+LF+LY294002
90	92	150	140	152
96	94	158	135	156
93	91	155	138	153
91	92	158	136	160
92	90	164	132	162
88	93	156	133	154
94	95	160	130	156
90	96	155	131	158
95	91	152	134	154
96	98	162	132	160

Neurotransmitters/Hormones

Serotonin

CTRL	LF CTRL	CRS	CRS+LF	CRS+LF+LY294002
39.4	39.8	7.5	32.5	7.6
38.9	39.6	10.2	33.2	10.5
40.1	38.9	5.9	29.6	6.1
38.7	39.7	8.6	31.8	8.9
38.8	38.6	9.6	24.7	9.2
40.2	41.5	8.9	32.9	8.9

Cortisone

CTRL	LF CTRL	CRS	CRS+LF	CRS+LF+LY294002
45.2	40.3	144.6	81.6	143.8
45.4	43.8	183.1	64.2	185.9
44.9	42.6	154.8	69.9	156.8
45.1	44.4	135.7	73.7	136.9
44.8	43.9	189.2	65.9	189.7
45.3	43.7	155.9	68.5	158.4

Inflammatory mediators

IL-10

CTRL	LF CTRL	CRS	CRS+LF	CRS+LF+LY294002
58.2	59.5	17.5	45.8	17.9
60.7	61.8	12.3	34.4	14.9
59.35	60.7	19.2	43.3	18.9
62.3	64.6	20.3	42.7	20.8
63.52	62.1	14.4	44.9	19.9
57.42	58.5	19.8	38.8	16.7

NF-κB

CTRL	LF CTRL	CRS	CRS+LF	CRS+LF+LY294002
0.115	0.323	12.604	1.321	10.64
0.272	0.413	14.059	1.442	11.35
0.349	0.445	14.626	1.117	10.99
0.296	0.272	12.155	1.442	12.54
0.323	0.349	10.978	1.211	12.89

TNF- α

CTRL	LF CTRL	CRS	CRS+LF	CRS+LF+LY294002
0.139	0.288	6.924	0.165	5.98
0.144	0.248	5.513	0.244	6.35
0.127	0.213	4.109	0.354	6.98
0.122	0.333	7.971	0.423	7.25
0.367	0.236	5.692	0.374	5.89

Oxidative stress

GSH

CTRL	LF CTRL	CRS	CRS+LF	CRS+LF+LY294002
64.2	65.4	18.7	50.2	18.6
65.1	62.7	18.5	43.6	17.9
63.8	64.3	14.8	53.6	14.7
64.9	63.2	18.9	45.9	18.7
63.7	64.1	19.1	57.2	19.5
64.5	63.8	19.6	55.8	19.4

TBARS

CTRL	LF CTRL	CRS	CRS+LF	CRS+LF+LY294002
7.6	7.2	26.5	9.8	25.7
6.5	6.9	30.9	8.7	30.1
7.1	6.8	29.8	11.4	28.6
6.5	6.6	31.4	10.3	30.2
6.7	6.7	25.9	10.7	25.3
5.9	7.1	26.9	9.8	26.4

PI3K/Akt/mTOR/GSK-3 β signaling

PI3K

CTRL	LF CTRL	CRS	CRS+LF	CRS+LF+LY294002
60.2	61.9	21.4	40.2	21.1
62.1	63.1	17.5	48.7	17.8
65.6	64.3	20.8	46.1	20.3
63.8	64.4	18.9	48.6	17.8
66.4	62.7	14.7	45.9	16.1
65.1	65.7	16.7	47.8	16.7

Akt

CTRL	LF CTRL	CRS	CRS+LF	CRS+LF+LY294002
0.77	0.76	0.55	0.58	0.56
0.78	0.75	0.51	0.67	0.53
0.76	0.79	0.4	0.73	0.45
0.79	0.81	0.45	0.78	0.47
0.74	0.76	0.49	0.72	0.43
0.76	0.71	0.57	0.69	0.52

mTOR

CTRL	LF CTRL	CRS	CRS+LF	CRS+LF+LY294002
5.8	5.6	0.87	2.2	0.89
6.5	6.2	0.96	1.7	0.56
5.4	5.5	0.67	2.1	0.64
6.2	6.4	0.82	3.2	0.8
5.3	6.1	0.91	3.5	0.87
5.9	5.3	0.93	3.8	0.92

GSK-3 β

CTRL	LF CTRL	CRS	CRS+LF	CRS+LF+LY294002
1.85	1.65	6.55	2.34	6.13
1.73	1.76	7.42	2.17	7.11
1.78	1.73	5.91	2.39	6.12
1.74	1.72	6.3	2.71	7.45
1.81	1.86	6.82	2.23	7.1
1.71	1.78	6.45	2.48	6.34

BDNF

CTRL	LF CTRL	CRS	CRS+LF	CRS+LF+LY294002
42.3	42.8	8.7	24.3	9.7
51.7	43.9	11.3	30.7	11.6
42.8	43.3	9.9	34.3	7.3
44.5	44.8	9.5	33.8	10.9
45.6	43.9	10.6	29.5	10.8
44.9	44.8	11.4	28.9	10.8

Histology Score

CTRL	LF CTRL	CRS	CRS+LF	CRS+LF+LY294002
0	0	2.5	0	2.5
0	0	2.5	0	2.5
0	0	2.5	0	2.75
0	0	2.25	0.5	2.5
0	0	2.5	0.25	2.75
0	0	2.5	0	2.5
0	0	2.5	0	2.5
0	0	2.5	0	2.75
0	0	2.25	0.5	2.5
0	0	2.5	0.25	2.75