Table S1. The effect of γTE on sphingolipids in RAW264.7 cells

RAW cells were treated with γTE at 20 μM or vehicle (Ctrl) for 8 or 16 h. Lipids were extracted and sphingolipids were measured by LC-MS/MS (Materials and Methods). All data are mean ± SEM. The Student's t test was used to analyze results. *P < 0.05 and **P < 0.01 indicate significant differences between control and γTE-treated cells. Cer: Ceramide; dhCer: dihydroceramide; Sph: sphingosine; dhSph: dihydrosphingosine; Sph-P: sphingosine 1 phosphate; dhSph-P: dihydrosphingosine phosphate; PC: Total phospholipids

Ceramides (pmol/μg PC)	Ctrl 8 h	γTE 20 μM 8 h	Ctrl 16 h	γTE 20 μM 16 h
C16:0-Cer	1.85±0.15	2.02±0.26	1.64±0.12	2.03±0.20
C18:0-Cer	0.14±0.016	0.13±0.014	0.11±0.01	0.12±0.01
C20:0-Cer	0.087±0.01	0.069±0.01*	0.062±0.01	0.066±0.005
C22:0-Cer	0.70±0.061	0.56±0.059	0.40±0.032	0.44±0.038
C24:1-Cer	3.33±0.57	2.07±0.30**	2.75±0.47	1.84±0.31*
C24:0-Cer	4.86±0.56	3.31±0.44*	2.69±0.43	3.98±0.69*
C26:1-Cer	0.072±0.011	0.054±0.01*	0.033±0.006	0.030±0.005
C26:0-Cer	0.048±0.014	0.037±0.013	0.024±0.006	0.040±0.009
Total Cer	11.09±1.17	8.25±0.87*	7.71±0.85	8.55±1.11

Dihydroceramides (pmol/μg PC)	Ctrl 8 h	γTE 20 μM 8 h	Ctrl 16 h	γTE 20 μM 16 h
C16:0-dhCer	0.20±0.023	0.43±0.031**	0.10±0.0009	0.32±0.038**
C18:0-dhCer	0.0060±0.001	0.011±0.001**	0.0022±0.0002	0.0079±0.001**
C20:0-dhCer	0.0024±0.0005	0.0047±0.001**	0.00074±0.0001	0.0029±0.0004**
C22:0-dhCer	0.016±0.005	0.028±0.007**	0.0034±0.0003	0.015±0.002**
C24:1-dhCer	0.034±0.01	0.053±0.01*	0.014±0.002	0.038±0.01**
C24:0-dhCer	0.053±0.02	0.086±0.02**	0.012±0.002	0.072±0.01**
Total dhCer	0.31±0.05	0.61±0.05**	0.13±0.01	0.46±0.05**

Sphingoid bases (pmol/μg PC)	Ctrl 8 h	γTE 20 μM 8 h	Ctrl 16 h	γTE 20 μM 16 h
Sph	0.93±0.088	0.73±0.088*	0.77±0.088	0.54±0.069*
dhSph	0.25±0.027	0.30±0.043	0.18±0.013	0.18±0.041
Sph-P	0.032±0.005	0.032±0.007	0.035±0.003	0.017±0.001
dhSph-P	0.0076±0.004	0.013±0.007	0.0084±0.005	0.0047±0.002

Sphingomyelins (pmol/μg PC)	Ctrl 8 h	γTE 20 μM 8 h	Ctrl 16 h	γTE 20 μM 16 h
C16:0-SM	82.05±6.01	78.63±6.86	71.95±7.62	55.72±2.22*
C18:0-SM	7.64±0.79	6.21±1.04	6.37±1.06	4.45±0.58*

C20:0-SM	3.59±0.35	2.95±0.43	3.12±0.52	2.26±0.25
C22:0-SM	18.53±2.23	14.10±1.94	15.52±2.61	11.06±0.83
C24:1-SM	52.17±6.02	38.91±4.94	45.01±6.51	25.88±1.81**
C24:0-SM	23.25±4.98	17.86±3.37	24.71±5.95	17.99±1.96
C26:1-SM	0.44±0.099	0.36±0.057	0.35±0.082	0.28±0.031
C26:0-SM	0.092±0.018	0.078±0.014	0.100±0.018	0.091±0.011
Total SM	187.75±16.77	151.65±17.16	167.13±21.94	117.74±6.18*

Dihydro-sphingomyelins (pmol/μg PC)	Ctrl 8 h	γTE 20 μM 8 h	Ctrl 16 h	γTE 20 μM 16 h
C16:0-dhSM	25.75±3.15	25.46±3.30	17.82±2.68	20.39±0.79
C18:0-dhSM	3.32±0.58	2.74±0.40	2.25±0.47	1.89±0.14
C20:0-dhSM	1.00±0.19	0.88±0.14	0.71±0.15	0.68±0.036
C22:0-dhSM	3.79±0.81	3.57±0.60	3.27±0.77	3.40±0.29
C24:1-dhSM	7.87±2.62	6.48±1.20	6.27±1.75	5.30±0.95
C24:0-dhSM	2.30±0.77	2.00±0.42	2.37±0.73	3.04±0.43
Total dhSM	44.09±7.11	41.16±5.39	32.74±5.67	34.74±1.70