A – Glucose normalized data

Region	Veh	Har	DMT	Har + DMT	F / χ^2	p	df	η^2
mPFC	7.26 (2.4)	7.28 (1.18)	7.3 (1.24)	6.67 (1.18)	0.24	0.87	(3, 19)	0.04
OFC	6.28 (1.59)	6.71 (1.33)	6.82 (0.84)	6.19 (0.61)	0.44	0.73	(3, 19)	0.06
visual cortex	6.4 (2.0)	6.29 (1.15)	6.57 (0.99)	5.75 (0.98)	0.44	0.73	(3, 19)	0.06
hippocampus	4.68 (1.12)	5.44 (0.77)	5.2 (0.85)	4.65 (0.69)	1.22	0.33	(3, 19)	0.16
NAc	6.63 (1.96)	6.4 (1.05)	6.48 (0.93)	5.75 (1.08)	0.53	0.66	(3, 19)	0.08
striatum	7.01 (2.15)	7.19 (1.21)	7.24 (1.07)	6.68 (1.17)	0.20	0.90	(3, 19)	0.03
thalamus	6.04 (1.38)	6.73 (1.15)	6.62 (0.86)	5.91 (0.83)	0.87	0.47	(3, 19)	0.12
cerebellum	4.44 (0.66)	4.62 (0.67)	4.76 (0.64)	4.03 (0.47)	1.62	0.22	(3, 19)	0.20
whole brain	5.56 (1.39)	5.69 (0.93)	5.8 (0.81)	5.14 (0.74)	0.52	0.67	(3, 19)	0.08

B – Whole brain normalized data

Region	Veh	Har	DMT	Har + DMT	F / χ^2	p	df	η^2
mPFC	7.11 (0.66)	7.09 (0.32)	6.95 (0.34)	7.16 (0.32)	0.29	0.83	(3, 19)	0.04
OFC	6.25 (0.45)	6.5 (0.44)	6.52 (0.15)	6.71 (0.4)	1.36	0.29	(3, 19)	0.18
visual cortex	6.3 (0.48)	6.1 (0.24)	6.27 (0.13)	6.18 (0.27)	0.52	0.67	(3, 19)	0.08
hippocampus	4.76 (0.91)	5.32 (0.23)	4.95 (0.21)	5.0 (0.21)	6.07	0.11	3	0.16
NAc	6.57 (0.53)	6.23 (0.18)	6.2 (0.36)	6.17 (0.28)	1.46	0.26	(3, 19)	0.19
striatum	6.92 (0.42)	6.99 (0.12)	6.91 (0.24)	7.17 (0.27)	1.13	0.36	(3, 19)	0.15
thalamus	6.08 (0.51)	6.54 (0.13)	6.33 (0.1)	6.37 (0.21)	8.14*	0.04	3	0.27
cerebellum	4.54 (0.58)	4.52 (0.15)	4.56 (0.23)	4.37 (0.29)	0.39	0.76	(3, 19)	0.06