



Ji et al., Figure 2



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Neurite parameters of cultured hippocampal neurons in each treatment							
Treatment	Тс	Total length of neurites	Number of origination and iteration	Number of branch points			
	n	per cell (µm)	Number of primary neurites	per cell			
Control	80	221.1 ± 12.5	4.1 ± 0.1	1.65 ± 0.14			
Acute BDNF	80	418.1 ± 19.2 *	9.7 ± 0.2 **	2.38 ± 0.17			
Gradual BDNF	80	368.7 ± 17.0	6.3 ± 0.2	4.13 ± 0.22 **			
K252a + Acute	80	255.5 ± 20.0	4.0 ± 0.3	1.68 ± 0.33			
K252a + Gradual	80	257.8 ± 18.9	4.2 ± 0.2	2.31 ± 0.42			

*: considered significant between acute and gradual, p< 0.05;

**: significantly different between acute and gradual, p< 0.01, ANOVA.

Ji et al., Figure 3







GradualAcuteControl K252a + Gradual
K252a + Acute 120_r Cumulative percentage 100 ** 1.6 80 (ind 0.8 0.4 60 40 20 0 0 0.5 1.5 2 Spine width (μm) 3.5 2.5 3 0 1 Ji et al., Figure 4

b

d

а



Ji et al., Figure 5



Ji et al., Figure 6



Ji et al., Figure 7





Ji et al., Supplementary Figure 2





Ji et al., Supplementary Figure 4













