

Supplemental Table S1. Comparison of the effects of VU0152100, clozapine, and haloperidol on Fos expression in the forebrain and lateral hypothalamus

Forebrain					
Treatment	Dose (mg/kg)	Number of Fos-like immunoreactive cells/mm²			
		Prefrontal cortex (medial)	Nucleus accumbens		Caudate-putamen (dorsolateral)
			(shell)	(core)	
Vehicle		217.4 ± 24.5	90.0 ± 13.1	46.7 ± 9.4	5.0 ± 2.0
VU0152100	30	200.6 ± 31.6	75.0 ± 14.9	31.3 ± 13.4	1.6 ± 1.6
VU0152100	100	220.7 ± 27.2	110.8 ± 14.6	30.8 ± 8.3	2.5 ± 1.3
Clozapine	30	556.6 ± 134.9 **	367.2 ± 43.8 ***	243.8 ± 81.0	220.3 ± 49.2 **
Haloperidol	1	392.1 ± 59.4 *	505.4 ± 97.7 ***	610.7 ± 137.3 **	1143.0 ± 93.0 ***

Lateral Hypothalamus					
		Number of Fos-li cells/mm²		% orexin cells expressing Fos-LI	
		Medial LH	Lateral LH	Medial LH	Lateral LH
Vehicle		20.8 ± 3.0	13.7 ± 2.8	1.4 ± 0.4	1.3 ± 0.3
VU0152100	30	34.4 ± 7.2	12.5 ± 4.5	2.8 ± 0.9	0.9 ± 0.4
VU0152100	100	30.6 ± 6.6	16.3 ± 4.1	1.9 ± 0.3	0.6 ± 0.2
Clozapine	30	79.2 ± 14.4 **	39.6 ± 6.5 *	12.7 ± 2.6 ***	10.1 ± 2.1 **
Haloperidol	1	44.1 ± 7.5	33.4 ± 9.6	3.2 ± 1.1	4.0 ± 1.2

The effects of VU0152100 (30 and 100 mg/kg, ip) or vehicle on the number of Fos-li cells/mm² (**Top**) and the percentage of orexin cells expressing Fos-LI (**Bottom**) was compared to haloperidol (1 mg/kg, sc) and clozapine (30 mg/kg, sc). Data represent means ± S.E.M. of 6 – 15 animals per treatment. * p < 0.05, ** p < 0.01, *** p < 0.001 vs. vehicle (Dunn's test).