Table S1: Dose dependent effect of nitrergic and α₂-adrenoceptor ligands on inhibitory avoidance (IA) memory retrieval

Drug	Doses	Step through latency (s)
aCSF	0.5 μl/LC	118.125 ± 2.43
SNG	1.41 pg per rat, i-LC	128.0 ± 1.95
	2.82 pg per rat, i-LC	132.4 ± 1.90
	5.64 pg per rat, i-LC	205.5 ± 7.02*
aCSF	0.5 μl/LC	121.25 ± 6.14
L-NAME	26.9 pg per rat, i-LC	113 ± 4.58
	53.8 pg per rat, i-LC	96.2 ± 4
	107.6 pg per rat, i-LC	84.8 ± 3.90*
aCSF	0.5 μl/LC	118.0 ± 5.22
L-NIO	60 pg per rat, i-LC	107.3 ± 5.23
	123 pg per rat, i-LC	88.5 ± 3.28
	246 pg per rat, i-LC	51.3 ± 3.10*
aCSF	0.5 μl/LC	113.3 ± 7.2
L-NIL	208 pg per rat, i-LC	114.6 ± 3.85
	416 pg per rat, i-LC	84.8 ± 2.13
	832 pg per rat, i-LC	73.3 ± 4.35*
aCSF	0.5 μl/LC	121.8 ± 6.24
7-NI	10 ng per rat, i-LC	114.6 ± 2.13
	20 ng per rat, i-LC	89.1 ± 2.83
	40 ng per rat, i-LC	76.0 ± 4.16*
aCSF	0.5 μl/LC	110.5 ± 6.59
Yohimbine	0.5 μg per rat, i-LC	149.7 ± 15.0
	1 μg per rat, i-LC	170.1± 2.30*
aCSF	0.5 μl/LC	106.3 ± 5.29
Clonidine	0.5 μg per rat, i-LC	33.5 ± 1.80*
	1 μg per rat, i-LC	28.0 ± 3.18*

Table showing the dose dependant effects of the drugs, given alone, on the step-through latencies measured as described. Data shown are means ± SEM of step through latency (n =

8/group). Data were analyzed by one-way ANOVA followed by Dunnett's test. *P < 0.05 Vs respective aCSF treatment.
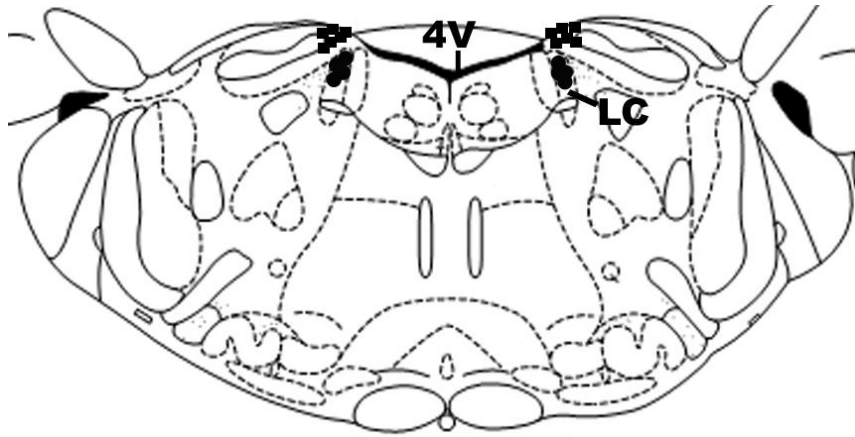
Figure S1:

Figure S1: The schematic shows the representative site of injection in the locus coeruleus (LC; -9.8 mm to bregma). In the diagrammatic image, filled circles indicate the injection placement sites within LC. The squares represent injection sites outside the targeted area. 4V, fourth ventricle.