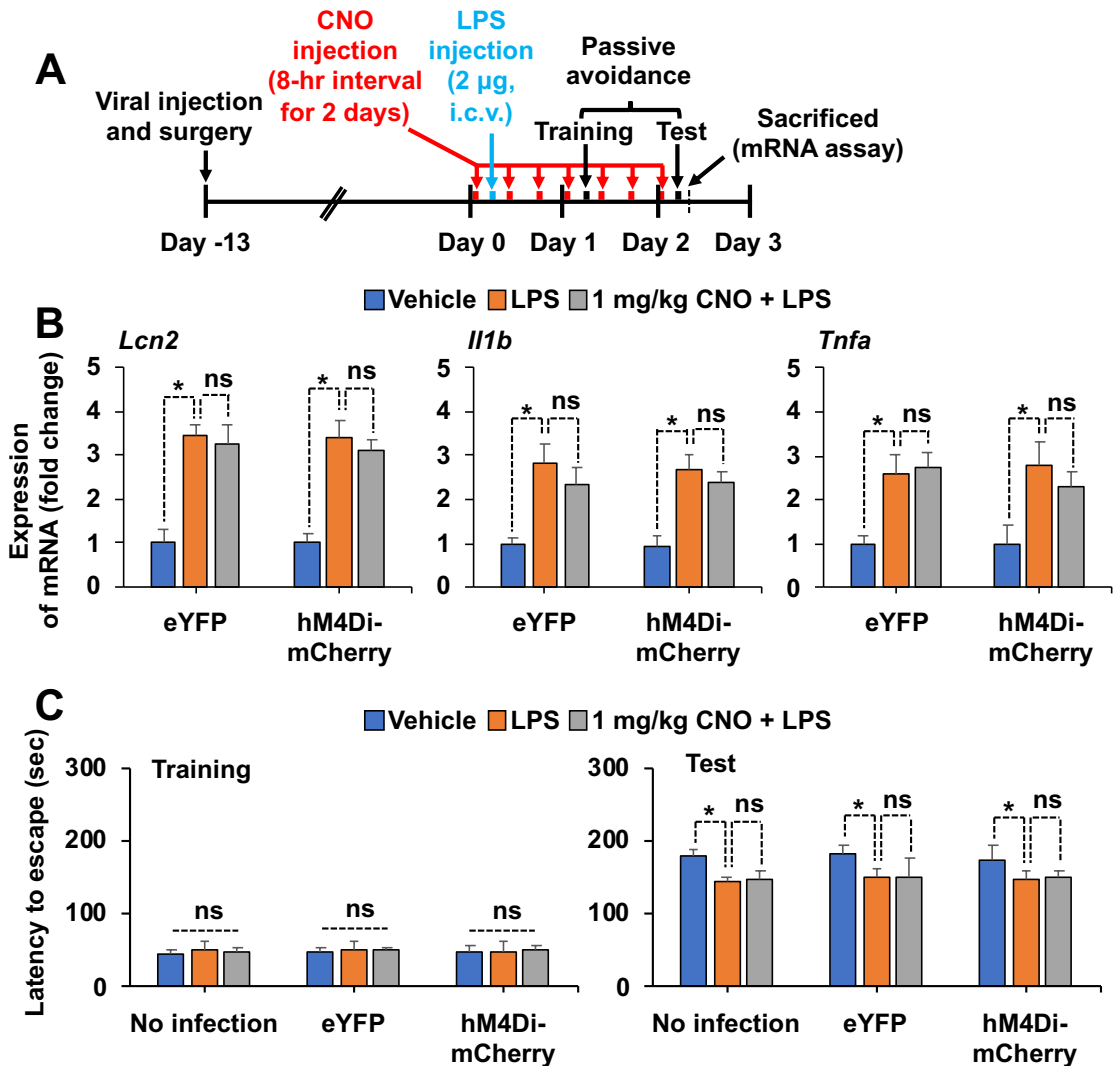


Supplementary Figure S2



Supplementary Figure S2. A low dose of CNO does not alter LPS-induced neuroinflammation or cognitive impairments in hM4Di-expressing mice. (A) Schematic diagram showing the timeline of experimentation. (B) Total mRNA was extracted from the hippocampal tissues of each treatment group, and RT-PCR was performed to assess the expression levels of *Lcn2*, *Il1b*, and *Tnfa* mRNA. The graph displays quantitative results normalized to *Gapdh* mRNA levels. Results are expressed as means \pm SEM ($n = 4$). $*p < 0.05$ between the indicated groups (Student's *t*-test). (C) Cognitive impairment was evaluated using the passive avoidance test. Results are expressed as means \pm SEM ($n = 4$). $*p < 0.05$ between the indicated groups (one-way ANOVA with Bonferroni's post hoc test). hM4Di-mCherry, AAV5-hGFAP-hM4Di-mCherry; eYFP, AAV5-hGFAP-eYFP; ns, not significant.