(a) PI3 Kinase activity is required for retrieval of older contextual memories. LY294002 infusion prior to the 13-day retrieval (test 2) reduces freezing compared to vehicle (test 3) \( (n = 5 \text{ for both groups} \quad **P < 0.01) \). (b) Locomotor activity was not affected by infusion of LY294002 into area CA1 of the hippocampus \( (n = 4 \text{ for both groups}) \). (c) Mice were infused with vehicle or LY. Three hr later, they were trained for contextual fear conditioning and tested 24 hr later \( (n = 6 \text{ for non-surgery control group}; \quad n = 5 \text{ for both vehicle and LY infusion group}) \). (d) Mice were infused with vehicle, LY294002, or CNQX 15 min prior to training. Acquisition was tested 3 hr later. CNQX treatment reduced freezing behavior as compared to LY294002 \( (n = 13 \text{ for vehicle group}; \quad n = 15 \text{ for LY infusion group}; \quad n = 14 \text{ for CNQX infusion group}; \quad *P < 0.05) \). Data are reported as mean ± s.e.m.