LY354740\_WM\_TMaze\_Expts12

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# Experiment 1 - LY354740 impairs spatial working memory

Accuracy and latency during the sample and choice phase were significantly affected by LY354740 injections (Accuracy , , Sample Latency , , Choice Latency , ). This was mainly due to a significant reduction in accuracy at the 10 mg/kg dose (No Inj vs 10 mg/kg , , Veh vs 10 mg/kg , ), and an increase in latency at the 10 mg/kg dose during the sample (No Inj vs 10 mg/kg , , Veh vs 10 mg/kg , , 1 vs 10 mg/kg ) and choice phases (No Inj vs 10 mg/kg , ).

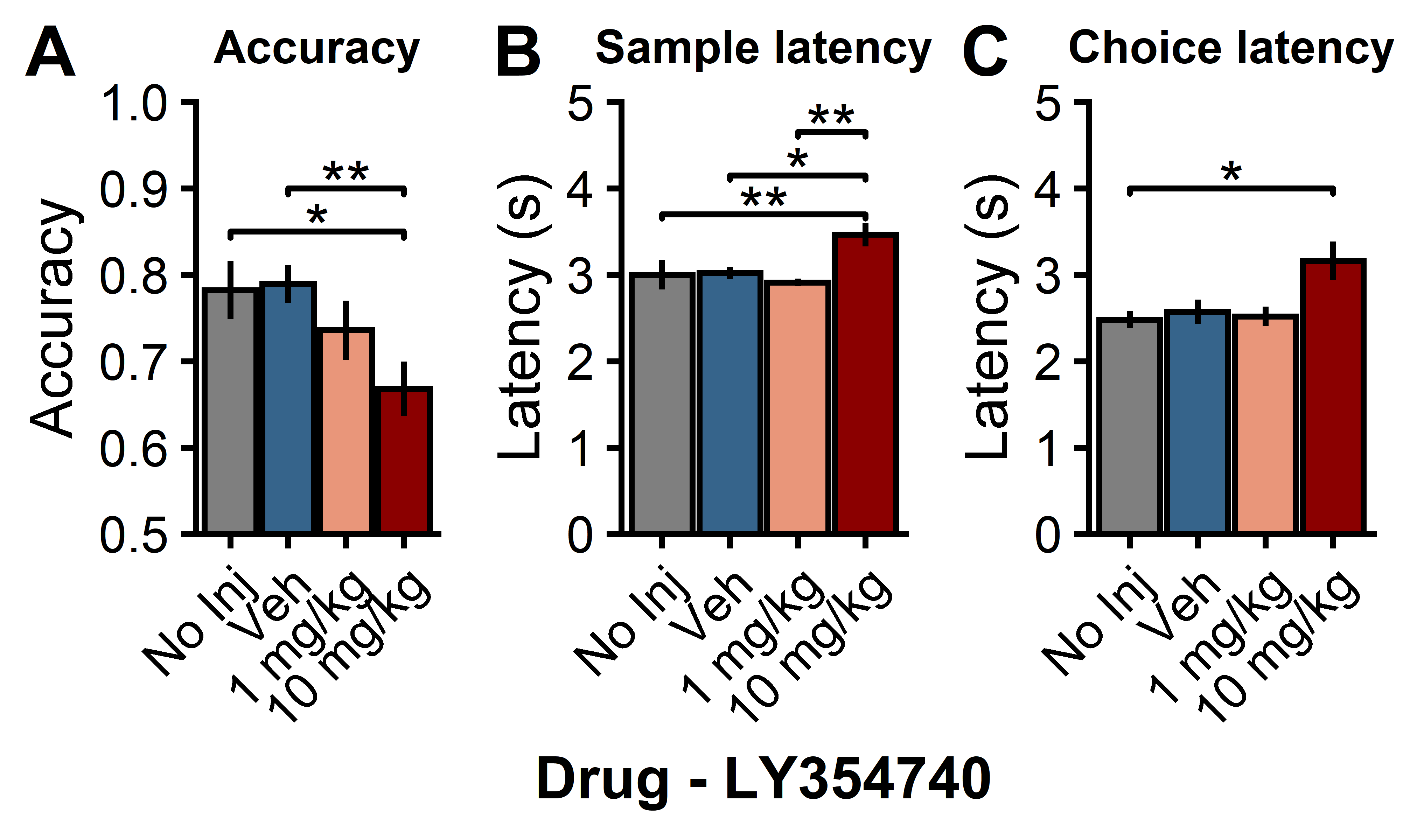


Figure 1. Title and Caption

# Experiment 2 - LY354740 exacerbates amphetamine-induced working memeory deficits

Drug injections significantly disrupted all three performance measures on the spatial working memory task (Drug: accuracy , , sample latency , , choice latency , ). Compared to vehicle injections, amphetamine disrupted performance on the spatial working memory task, surprisingly this effect was only statistically robust for response latencies during the choice period (veh/veh vs Amph/veh: accuracy , ), sample latency , , choice latency , ). However, combining LY354740 and amphetamine significantly impaired accuracy (veh/veh vs Amph/LY354740 , , Amph/veh vs Amph/LY354740 , ), and increased response latencies during both the sample (veh/veh vs Amph/LY354740 , , Amph/veh vs Amph/LY354740 , ) and choice periods veh/veh vs Amph/LY354740 , , Amph/veh vs Amph/LY354740 , ).

