



*Figure 1.* Comparison of the effects of MK-801/HU-580 in the OFT in pooled (left) and sex separated (right) analysis; average ( $\pm$ SEM) distance traveled (CM). Administration of MK-801 (0.3mg/kg, i.p.) daily for 17 days induced hyperlocomotion in sex-dependent manner that was attenuated by low-dose (0.01ug/kg, i.p.) HU-580 treatment. Synergistically, MK-801 and high-dose (0.05ug/kg, i.p.) HU-580 treatment induced hyperlocomotion in male mice.