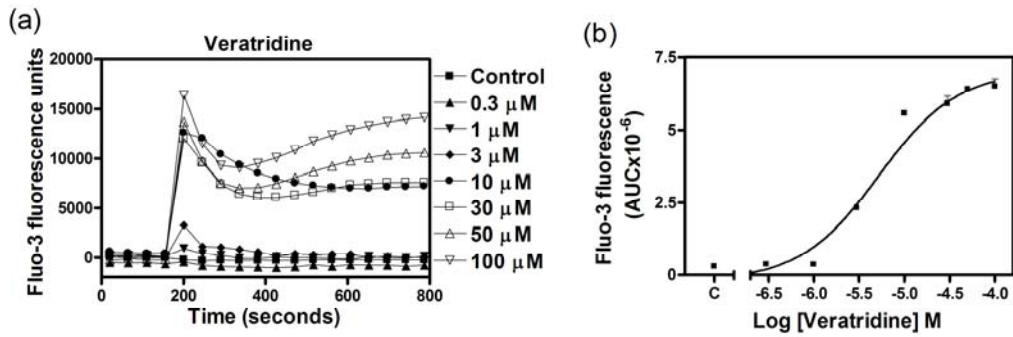


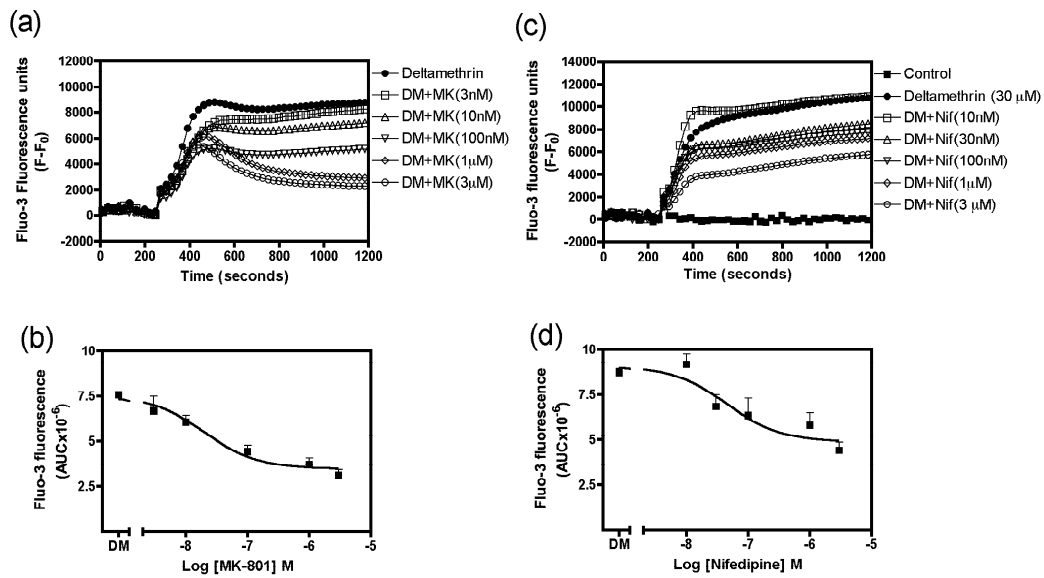
**Mechanisms of pyrethroid insecticide-induced stimulation of calcium influx in
neocortical neurons**

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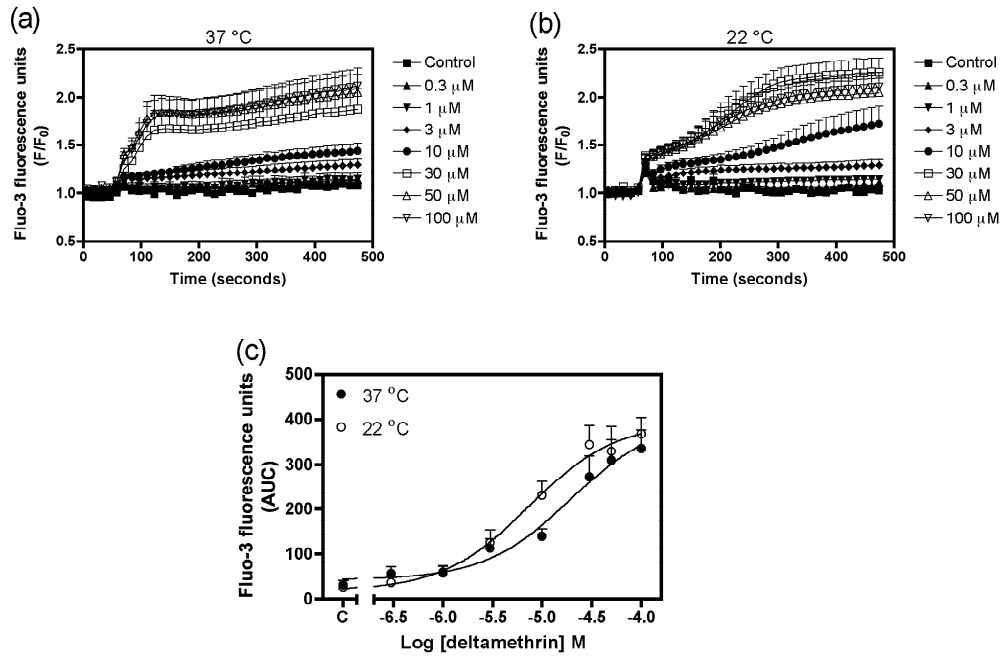
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Supplemental Figure 1. Time- (a) and concentration- (b) response relationships for veratridine-induced Ca^{2+} influx in neocortical neurons. This experiment was performed simultaneously with other 11 pyrethroids in a 96 well plate and was repeated three times with similar results.



Supplemental Figure 2. Effects of MK-801 or nifedipine on the elevation of $[\text{Ca}^{2+}]_i$ induced by 30 μM deltamethrin. (a), (c) Time-response relationships for MK-801 and nifedipine inhibition of deltamethrin-induced Ca^{2+} influx, respectively; (b), (d) Concentration-response relationships for MK-801 and nifedipine inhibition of deltamethrin-induced Ca^{2+} influx, respectively. These data were performed twice in quadruplicate with similar results.



Supplemental Figure 3. Temperature dependence for deltamethrin-induced Ca^{2+} influx. (a), (b) Time-response relationships for deltamethrin-induced Ca^{2+} influx at 37 and 22 °C, respectively; (c) Concentration-response relationships for deltamethrin-induced Ca^{2+} influx at 37 and 22 °C. Data were pooled from two experiments performed in quadruplicate.