



Article

IQM-PC332, a Novel DREAM Ligand with Antinociceptive Effect on Peripheral Nerve Injury-Induced Pain

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Supplementary Materials:

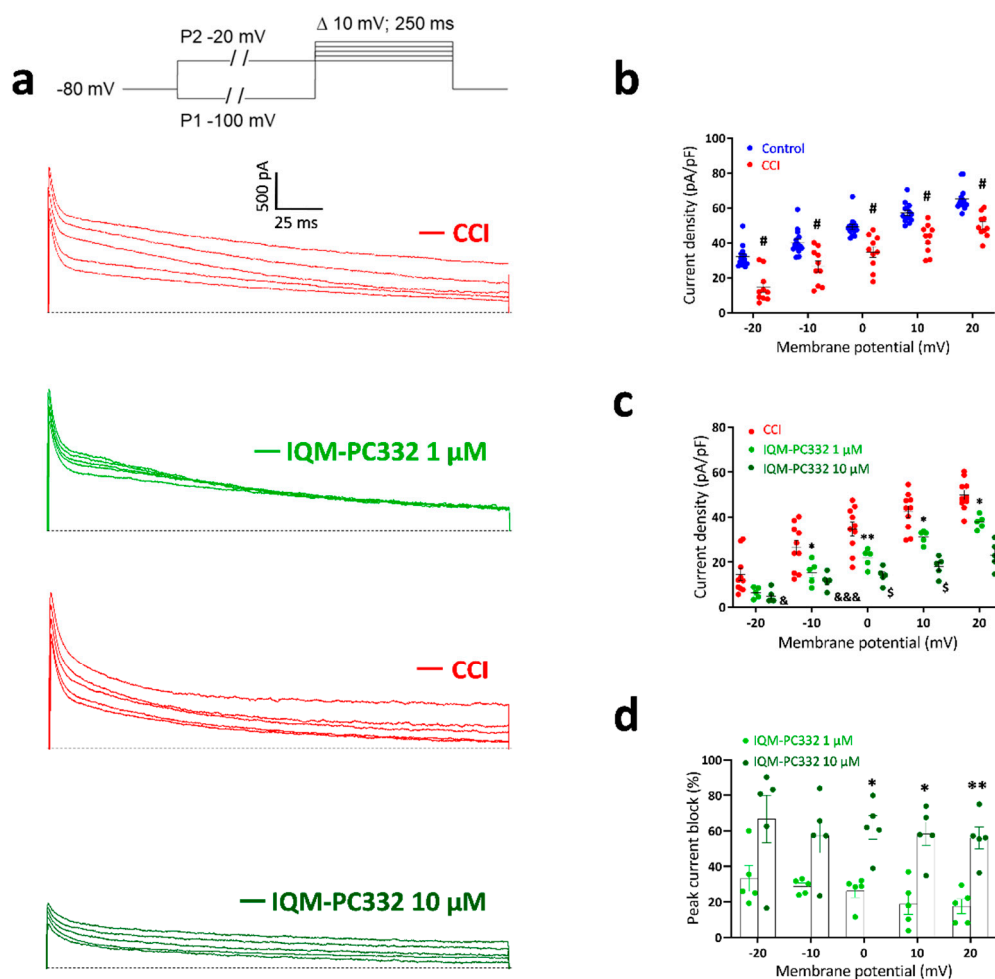


Figure S1. Effect of IQM-PC332 on I_A currents of DRG neurons from CCI animals. **a**) Representative recordings of I_A isolated by using the voltage protocol depicted on top of the panels. The effect of IQM-PC332 1 μM (*upper panel*) or 10 μM (*lower panel*) is shown. **b**) Peak current density to voltage (I-V) relation in Control (membrane capacitance of 32.23 ± 0.94 pF; $n = 14$ cells) and CCI (membrane capacitance of 31.40 ± 0.93 pF; $n = 10$ cells) DRG neurons. **c**) I-V relation in the absence (CCI) and presence of IQM-PC332 1 μM (membrane capacitance of 32.62 ± 1.23 pF; $n = 5$ cells) and 10 μM (membrane capacitance of 30.19 ± 1.30 pF; $n = 5$ cells). **d**) Percent block of peak I_A by IQM-PC332 (1 μM and 10 μM) at different potentials. Data are expressed as mean \pm SEM. Statistical significance was assessed by two-way ANOVA, followed by a Bonferroni's test for multiple comparisons with respect to Control (**b**), CCI (**c**) and IQM-PC332 1 μM (**d**). * and &: $p < 0.05$; **: $p < 0.01$; &&&: $p < 0.001$; # and \$: $p < 0.0001$.

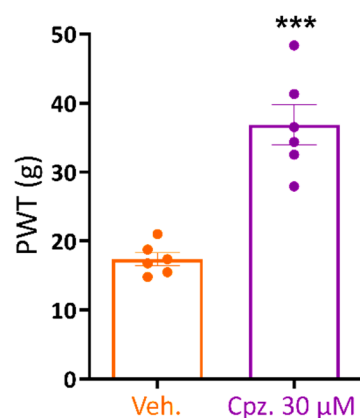


Figure S2. Effect of capsazepine on mechanical sensitivity in CCI animals. Paw withdrawal threshold (PWT) as an indicator of mechanical sensitivity was determined after i.pl. administration of 30 μ g capsazepine (Cpz.), a TRPV1 channel blocker, or vehicle (Veh.; Tween 80/ethanol/saline; 10/10/80). Data are expressed as the mean \pm SEM of 6 measurements ($n = 6$ animals). Statistical significance was assessed by using Student's *t*-test for paired comparisons. ***, $P < 0.001$ with respect to Veh.