Materials and Methods S3 – Reliability of IC$_{50}$ calculation from single-concentration inhibition values.

Examples for the calculation of IC$_{50}$ values from single concentration measurements
Examples for the effect of 100, 300 and 1000 µM of lidocaine are illustrated on **A, B, C**.
Average inhibition (diamonds in **D**) was 0.09 ± 0.02, 0.23 ± 0.02 and 0.44 ± 0.01 (n = 5 to 7), from which the calculated IC$_{50}$ values are 1048, 977 and 1268 µM, respectively. Right panel illustrates concentration response curves extrapolated from the three single-concentration measurements with the calculated IC$_{50}$ values indicated (red '+' marks).