

Generation of the TRPM5 FLIPR Response

Carbachol $\Rightarrow$ M1 GPCR $\Rightarrow$ $\uparrow$ [Ca⁺⁺] $\Rightarrow$ TRPM5 $\Rightarrow$ $\uparrow$ [Na⁺] $\Rightarrow$ Membrane Potential Dye

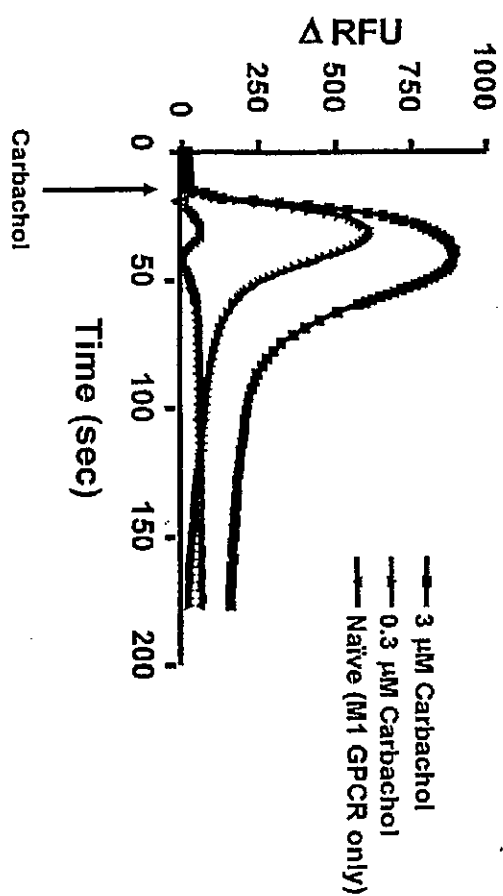


FIG. 1

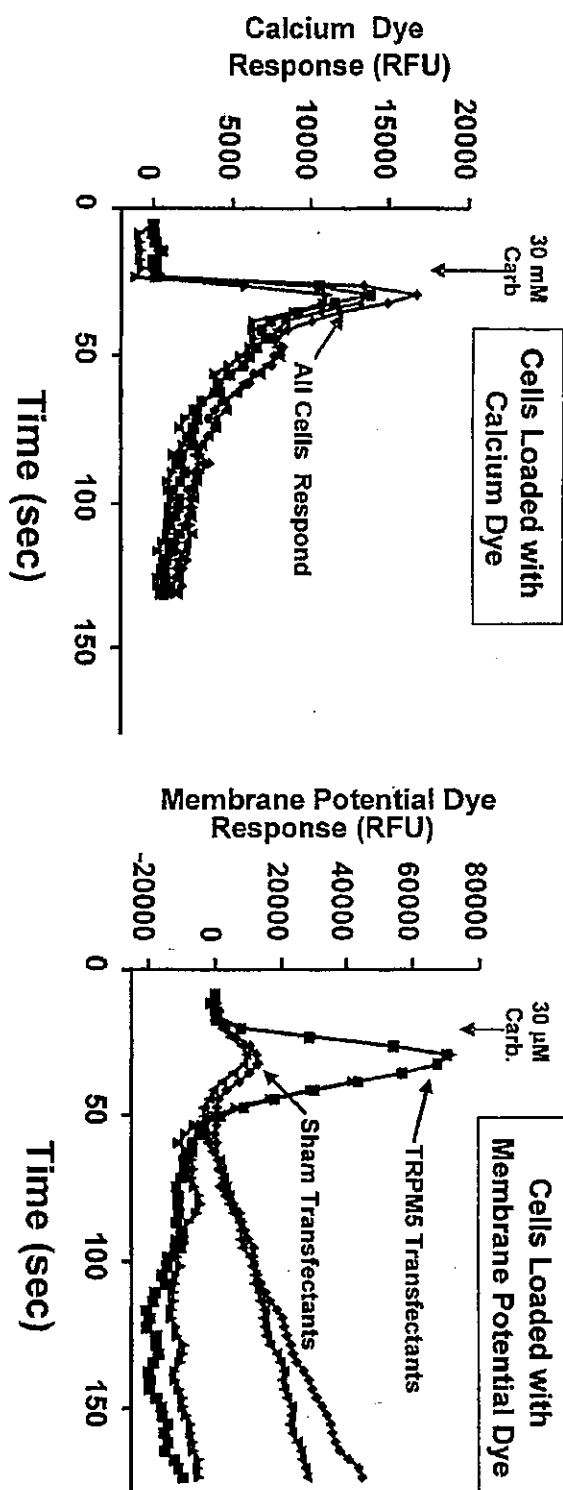


FIG. 2

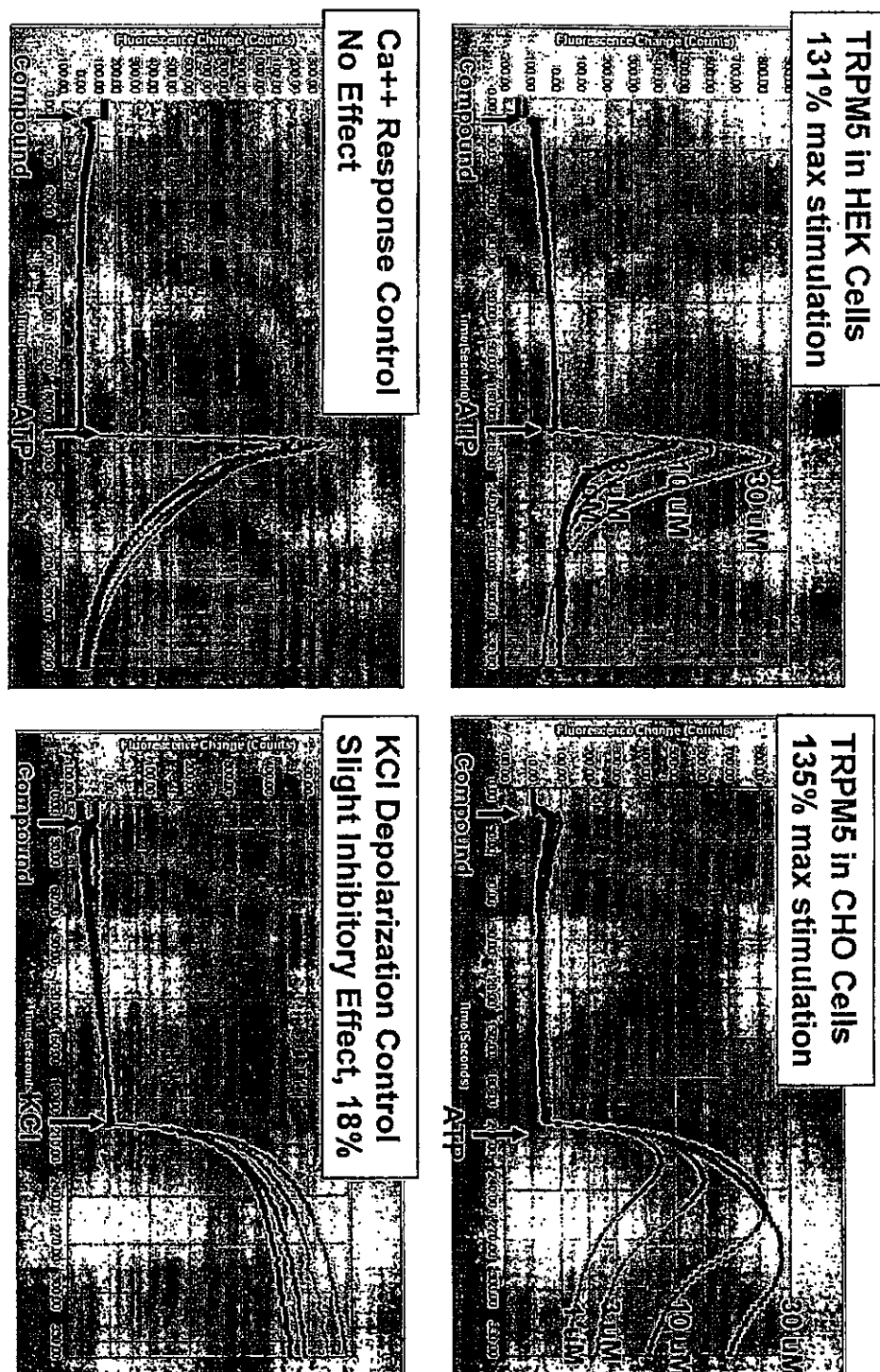


FIG. 3

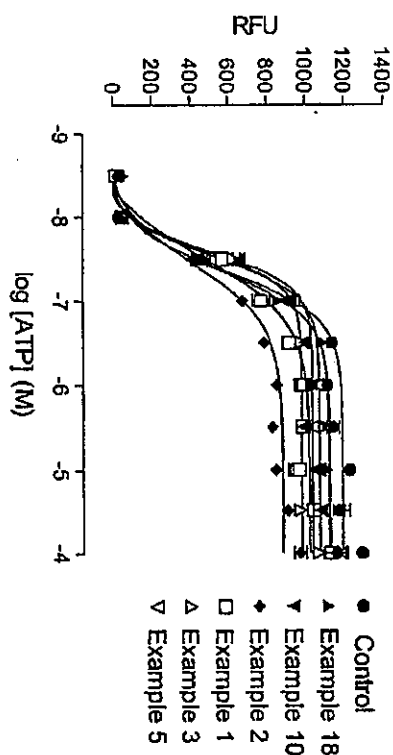
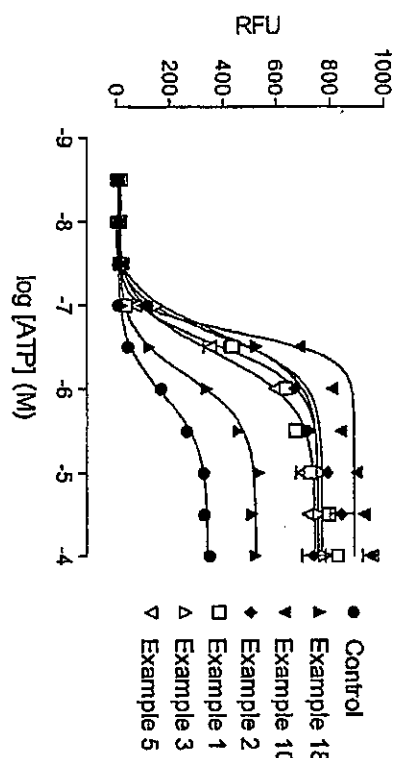


FIG. 4

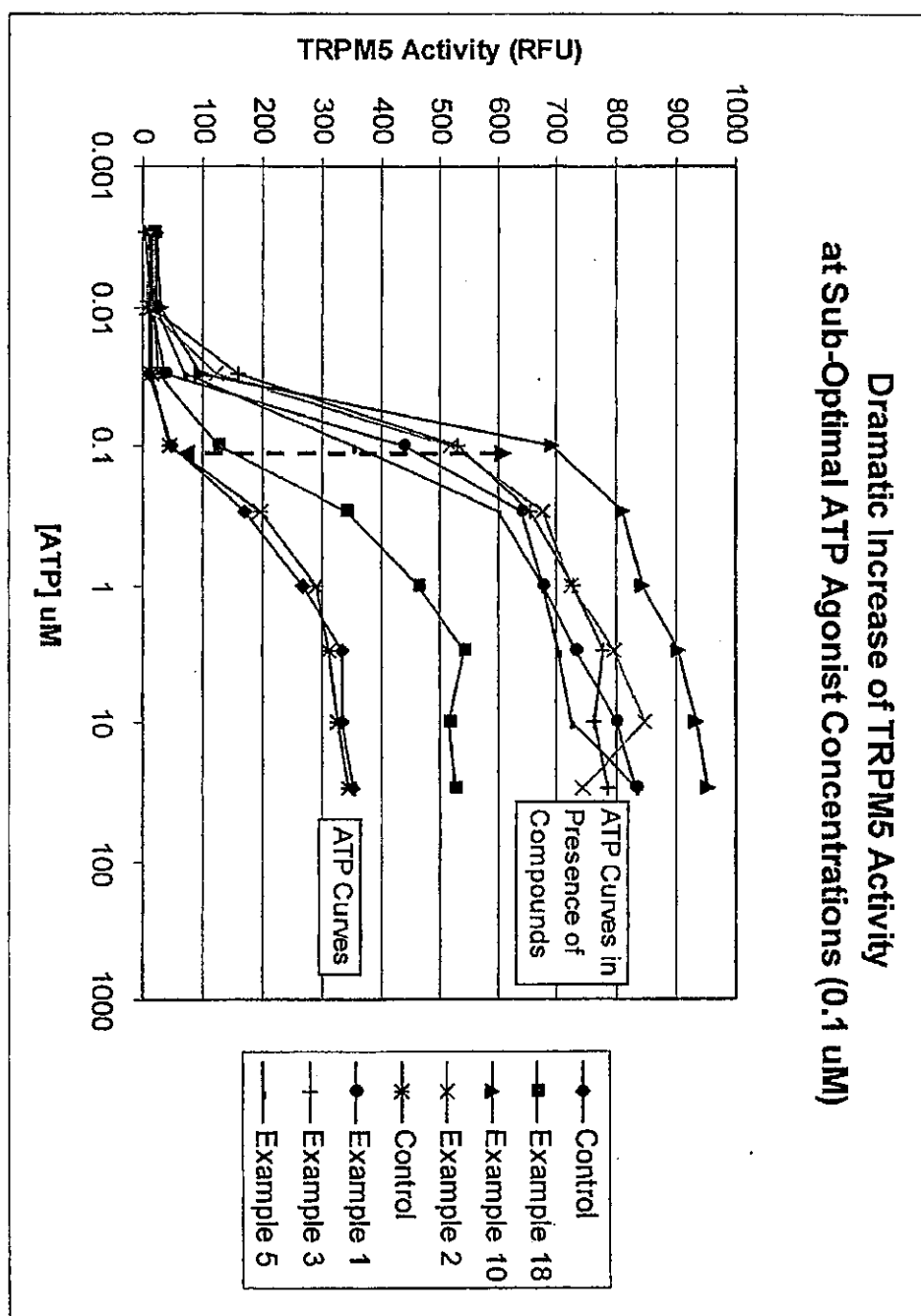


FIG. 5

Whole Cell Electrophysiology Studies Demonstrate Reversible TPRM5 Current Enhancement with Ex. 10

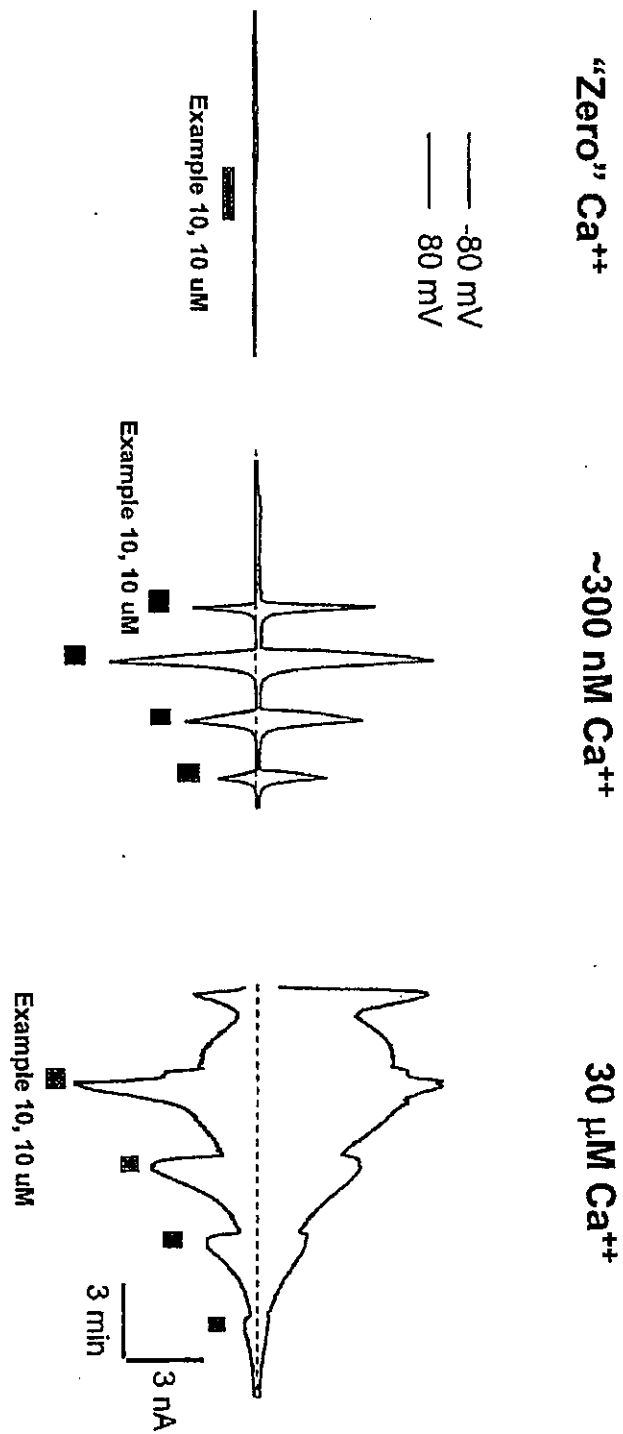


FIG. 6

Enhancers of hTrpM5 currents in hTrpM5-HEK293 cells

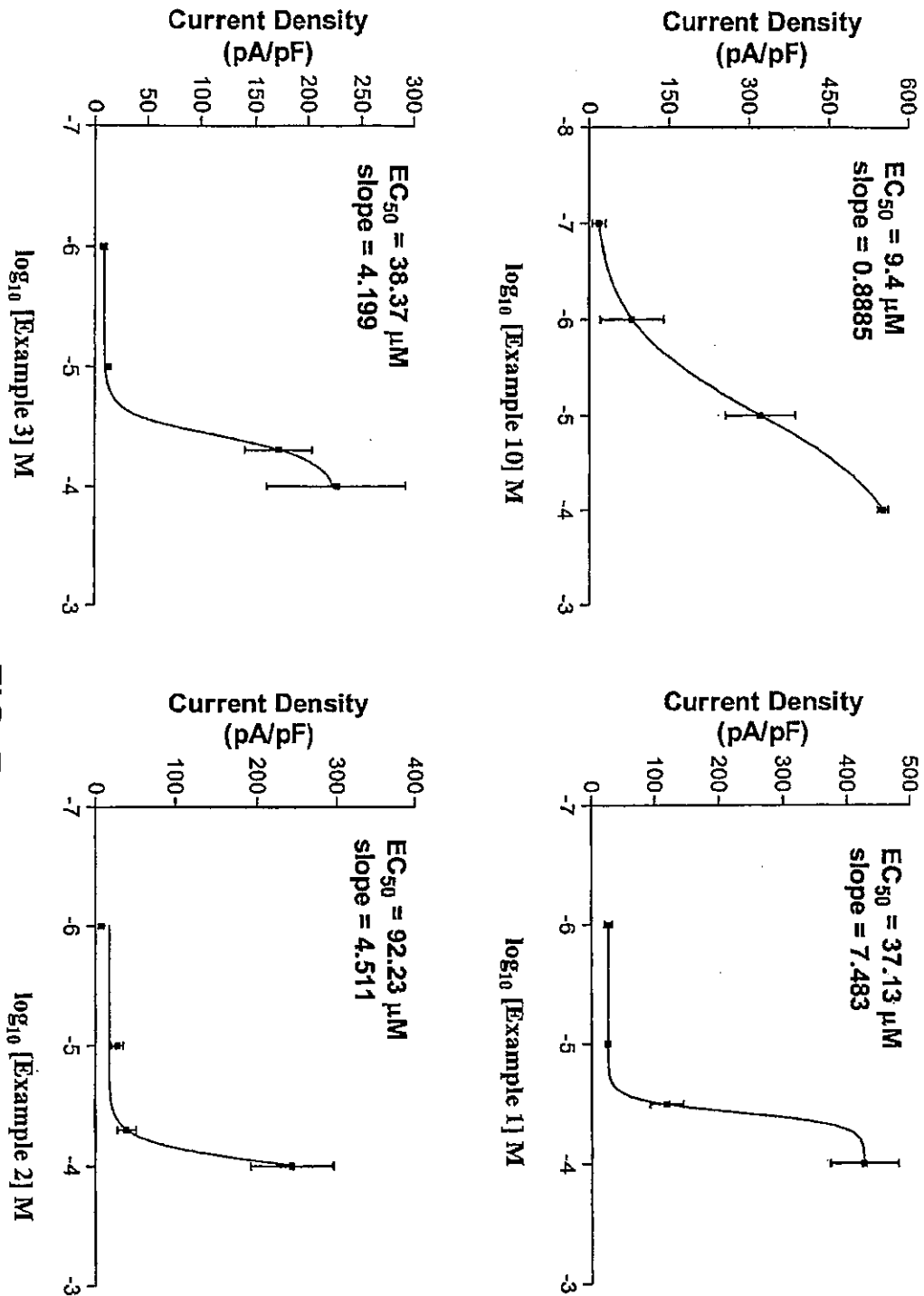


FIG. 7