



Figure 2-figure supplement 1: Analytical solution for hypertonic sucrose-induced release from a RRP without replenishment. Current responses obtained from eq. 14 after convolution with a typical mEPSC. The magenta line corresponds to $k_{2,\max}=0.5 \text{ s}^{-1}$, blue to $k_{2,\max}=3 \text{ s}^{-1}$, red to $k_{2,\max}=5 \text{ s}^{-1}$ and black to $k_{2,\max}=10 \text{ s}^{-1}$.