



**Additional Figure 3 Inhibition of the GABA<sub>A</sub>- $\rho$  receptor does not result in increased apoptosis.**

*Tg(1016tuba1a:gfp)* zebrafish were intravitreally injected with the indicated amounts of either PBS or the GABA<sub>A</sub>- $\rho$  receptor inhibitor TPMPA. After injection, fish were allowed to recover for 48 hours followed by analysis of apoptotic cells using TUNEL staining. Each data point is a separate eye and is an average of two sections, counting all TUNEL<sup>+</sup> cells in the retina section. One-way analysis of variance with Tukey's multiple comparison tests were used to test for significance. Error bars are shown as the mean  $\pm$  SEM.  $n = 10$  for PBS,  $n = 9$  for 15 nmol TPMPA,  $n = 9$  for 20 nmol TPMPA, and  $n = 8$  for 25 nmol TPMPA. GABA<sub>A</sub>: Gamma aminobutyric acid A; TPMPA: (1,2,5,6-tetrahydropyridin-4-yl)methylphosphinic acid; TUNEL: terminal deoxynucleotidyl transferase dUTP nick end labeling.