



Figure 3

**Figure S3:** Assessment of effects of cromolyn on MRGPRX4 receptor activation in Presto-Tango assay.

**Top:** Agonist assay, showing arrestin recruitment responses of HTLA cells transfected with MRGPRX4 receptor plasmid; mitiglinide serves as the positive control, deoxycholic acid is a partial agonist, and no response was seen to cromolyn. **Middle:** Antagonist assay, showing that cromolyn does not inhibit the arrestin recruitment response of MRGPRX4-transfected cells to the positive control, mitiglinide. **Bottom:** Antagonist assay, showing that cromolyn does not inhibit the arrestin recruitment response of MRGPRX4-transfected cells to the partial agonist, deoxycholic acid. Data are expressed as mean  $\pm$  S.D.  $n = 4$ . Cromolyn is neither an agonist nor an antagonist at the MRGPRX4 receptor, as measured by the Tango - arrestin recruitment assay.