

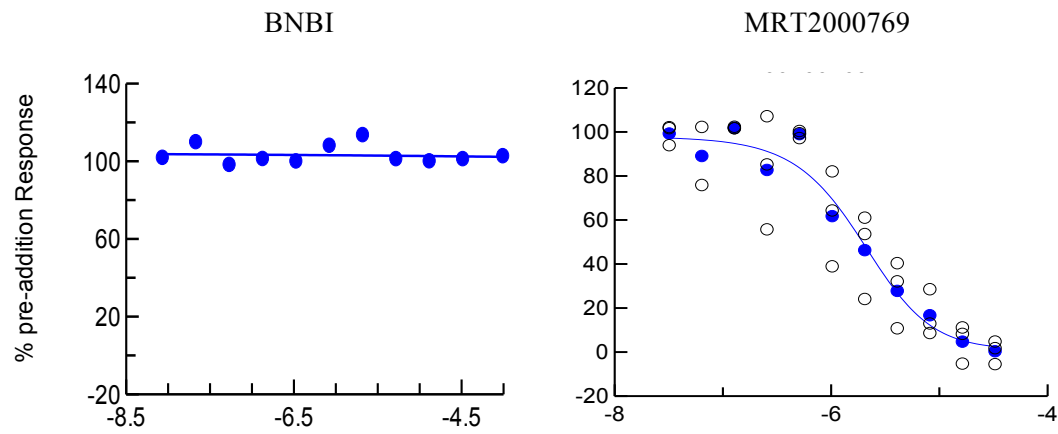


Figure S5.

Log[Drug] inhibition curve determined from population patch-clamp of hKir7.1 current in CHO cells (see supplementary methods for detail). BNBI a known inhibitor of Kir1.1 demonstrated no inhibition of Kir7.1. MRT2000769 by contrast is a potent inhibitor of Kir7.1 IC_{50} 2.0 μ M [1.1-3.5] (mean, 95%CI).