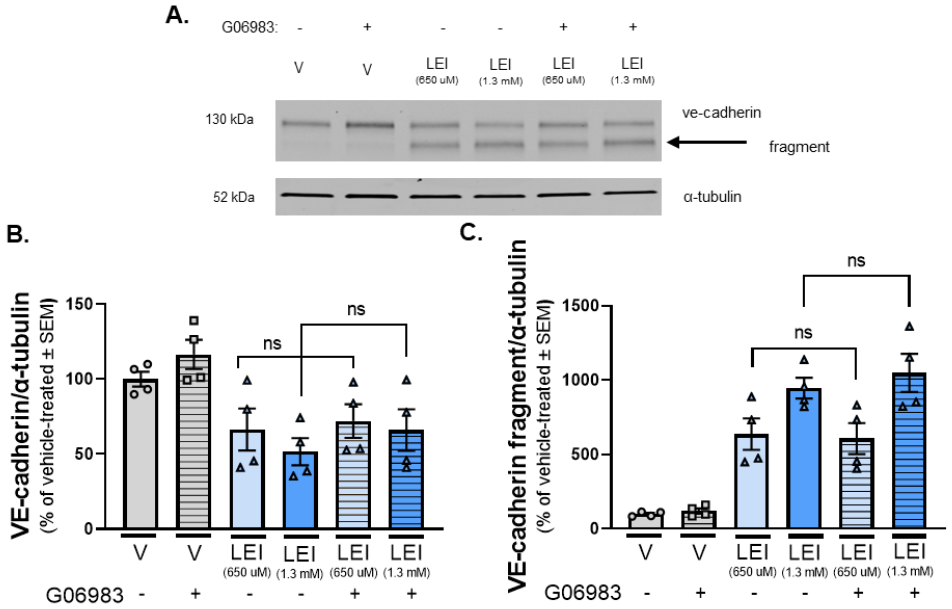
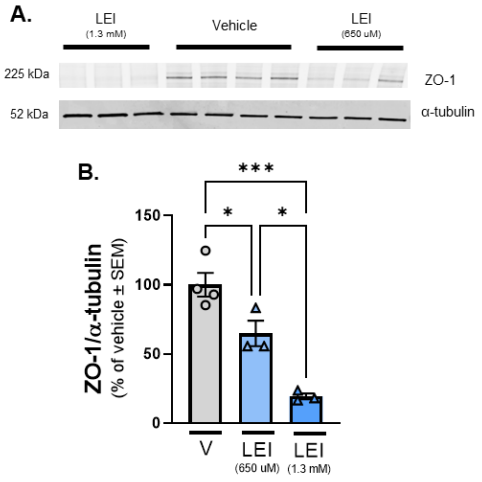


Suppl. Fig 1. PKC inhibitor, G06983 did not influence the effect of LEI-106 on VE-cadherin.
bEnd.3 cells were treated with protein kinase c inhibitor, G06983 (100 nM) 30 min before the application of LEI-106 (650 uM or 1.03 mM), then subjected to Western to detect VE-cadherin. (A) Representative image showing the expression of VE-cadherin along with α-tubulin as loading control. (B) The pretreatment of PKC inhibitor did not influence the effect of LEI-106 on VE-cadherin main band (LEI-106-650 uM vs. LEI-106-650 uM+ G06983: p=0.9990, LEI-106-1.3 mM vs. LEI-106-1.3 mM+ G06983: p=0.9320, as assessed by one-way ANOVA with Tukey post-test, F(5,18)=4.986). All data presented as % of vehicle-treated ± SEM (n=4/condition). ns=non-significant. (C) The PKC inhibitor did not have a significant impact on the fragmentation of VE-cadherin caused by LEI-106 in bEnD.3 cells (LEI-106-650 uM vs. LEI-106-650 uM+ G06983: p=0.9999, LEI-106-1.3 mM vs. LEI-106-1.3 mM+ G06983: p=0.9548, as assessed by one-way ANOVA with Tukey post-test, F(5,18)=21.88). All data presented as % of vehicle-treated ± SEM (n=4/condition). ns=non-significant.



Suppl. Fig 2. DAGLα inhibitor, LEI-106 reduced the detection of ZO-1 in bEnd.3 cells
bEnd.3 cells were treated with LEI-106 (650 uM or 1.03 mM) or vehicle for 15 min, then subjected to Western to detect ZO-1. (**A**) Representative image showing the expression of ZO-1 along with α-tubulin as loading control. (**B**) The blockade of DAGLα significantly decreased the detection of ZO-1, compared to vehicle control (vehicle vs. LEI-106-650 uM: p=0.034, vehicle vs. LEI-106-1.3 mM: p=0.0004, LEI-106-650 uM vs. LEI-106-1.3 mM: p=0.0142 as assessed by one-way ANOVA with Tukey post-test, F(2,7)=27.41). All data presented as % of vehicle-treated ± SEM (n=3-4/condition). *p<0.05, ***p<0.001.