

Supplemental Table 2

assay	HEK-hGPR17	CHO-hGPR17	1321N1-hGPR17
DMR	6.47 ± 0.09	6.55 ± 0.06	6.53 ± 0.06
Bio-impedance	6.69 ± 0.10*	7.05 ± 0.05	6.15 ± 0.07
cAMP	$G\alpha_i$: 7.93 ± 0.58	$G\alpha_i$: 8.15 ± 0.67	$G\alpha_i$: 7.32 ± 0.17
	$G\alpha_s$: 6.21 ± 0.27	$G\alpha_s$: 6.36 ± 0.24	$G\alpha_s$: 5.24 ± 0.26
[³⁵ S]GTPγS	6.53 ± 0.19	5.42 ± 0.11	5.18 ± 0.15
IP1	6.51 ± 0.06	7.05 ± 0.07	n.a.
Ca ²⁺	7.18 ± 0.06	7.08 ± 0.05	6.15 ± 0.07

Table S2. Potencies (pEC₅₀ values) of MDL29,951 at recombinant hGPR17 cell lines.

Functional parameters of GPR17 activation by MDL29,951 in the indicated cell lines were determined in label-free assay platforms based on dynamic mass redistribution (DMR) or bio-impedance and classical second messenger assays monitoring accumulation of inositolphosphates (IP1), cAMP, or Ca²⁺ as well as incorporation of [³⁵S]GTPγS into Gα subunits of heterotrimeric G proteins. Values are mean pEC₅₀ ± S.E.M. for at least three independent experiments, each performed in triplicate. n.a., no activity. * pEC₅₀ value for the first inflection point of the concentration effect curve.