

Constructs	MO EC50 (μ M)	Maximal Response (normalized to WT)
mTRPA1(wt)	7.67 \pm 1.52	1
mTRPA1-hTM1-6	4.74 \pm 0.70	1.26 \pm 0.06
mTRPA1-hTM5-6	4.15 \pm 1.1	0.75 \pm 0.01
mTRPA1-dTM5	4.20 \pm 0.65	1.83 \pm 0.12
mTRPA1-S876V/T877L	20.63 \pm 1.18	0.93 \pm 0.10
hTRPA1(wt)	2.33 \pm 0.74	1
hTRPA1-mTM1-6	4.67 \pm 3.47	0.83 \pm 0.11
hTRPA1-mTM5-6	7.06 \pm 4.34	1.01 \pm 0.07
hTRPA1-V875G	1.51 \pm 0.24	0.82 \pm 0.02
hTRPA1-FGFATLIAM	2.98 \pm 0.50	0.94 \pm 0.02
hTRPA1-dTM5	1.32 \pm 0.46	0.72 \pm 0.01
hTRPA1-dTM5a	0.85 \pm 0.10	0.53 \pm 0.01
hTRPA1-S873V/T874L	0.98 \pm 0.24	0.71 \pm 0.00
Fugu-TRPA1(wt)	51.5 \pm 9.4	1
Mosquito-TRPA1(wt)	70.7 \pm 12.4	1
dTRPA1(wt)	No activation	
dTRPA1-mN	103.2 \pm 26.5	0.84 \pm 0.06 (normalized to mTRPA1 (wt))