Table of tested inhibitors

This table summarises the compound name, what concentration it was tested at, which channels it is stated to inhibit, if it were perceived to be toxic to the cells, and on-target and off-target effects.

Compound	Concentration	Inhibitor	Toxic	Effect on vacuolar pH and/or area	Off-target effects
293b-Chromanol	20µM	K^+		None	
2APB	20 - 100µM	TRP		Decrease in vacuolar pH and area	Inhibits NOX2
4-aminopyridine	100µM - 1mM	K^+		None	
9-Phenanthrol	20µM and 100µM	TRP		None	
AC 5216	1nM - 3µM	TSPO		None	
ACA	10µM - 100µM	TRP		Decrease in vacuolar pH and area	Affects extracellular pH, inhibits degranulation
Acetozolamide	1mM	K^+		None	
Amiloride	1mM	Na^+		Decrease in vacuolar pH	Affects extracellular pH
Amiodarone	25µM and 50µM	K^+		None	
Astemizole	1µM	K^+		None	
Bafilomycin	1µM	V-ATPASE		None	
BAPTA	5µM	Ca^{2+}		None	
Barium	100µM	K^+		None	
Benzamil	10µM and 100µM	K^+	YES	Decrease in vacuolar pH	
Bumetanide	10µM and 100µM	K^+		None	
Bupivacaine	100µM - 500µM	K^+		None	Affects extracellular pH
CFTR-172	1µM - 10µM	Cl^-		Slight decrease in vacuolar pH	
Chloroform	800µM	Na^+		Decrease in vacuolar pH	
Clofilium	3µM - 300µM	K^+		None	
Clotrizamole	20µM	K^+		None	
CyPPA	30µM	K^+		None	
Desipramine	10µM and 100µM	K^+		None	
DIDS	1µM – 1mM	Cl^-	YES	None	Inhibits phagocytosis

DIOA	5µM – 100µM	K^+/Cl^- exchanger		None	
DMA (dimethyl amiloride)	300µM	Na^+/H^+ exchanger		Slight decrease in vacuolar pH	
Dofetilide	1µM	K^+		None	
E4031	1µM	K^+		None	
Erastin	10µM and 50µM	TRP		Slight increase in vacuolar pH	
Flecanide	100µM	K^+		None	
Furosemide	1mM	K^+		None	
Gadolinium	10µM and 100µM	K^+		None	
Halothane	3%	K^+		None	
HMR1556	1µM	K^+		None	
IAA94	2µM - 50µM	Cl^-		None	
KCN	10µM – 1mM	Ca^{2+}		None	
KR32568	5µM	TRP		None	
Lidocaine	300µM and 1mM	K^+		None	
LOE908 hydrochloride	1.25µM	K^+		Slight decrease in vacuolar pH	
Lq2 (component of *Leiurus quinquestriatus* scorpion venom)	20nM	K^+		None	
Maurotoxin	50-400nM	K^+		None	Decreased phagocytosis
Mexiletine	10µM and 100µM	K^+		None	
ML204	20µM and 100µM	K^+		None	
NPPB	30µM - 300µM	Cl^-		Decreases vacuolar pH	Acts as a protonophore
NS8593	1µM – 100µM	K^+		None	
Ouabain	10µM	K^+		None	
PD118057	10µM	K^+	YES	Decreases vacuolar pH	Decreased phagocytosis
Phloretin	10µM - 300µM	Cl^-		Decreases vacuolar pH	Inhibits degranulation, affects external pH
PK-THPP	3µM - 30µM	K^+		None	
Procainamide	50µM	K^+		None	
Psora-4	10µM - 100µM	K^+		None	

Quinine	30µM - 300µM	K^+		Slight decrease in vacuolar pH and area	
Ranolazine	50µM	K^+		None	
Ruthenium red	1µM and 10µM	Ca^{2+}, Na^+		None	
SITS	30nM - 10µM	Cl^-	YES	None	
SKF96365	20µM - 100µM	K^+		None	
Spadin	1µM and 3µM	K^+		None	
Stichodactyla	5nM	K^+		None	
Tamoxifen	3µM - 100µM	Cl^-	YES	Slight decrease in vacuolar pH	Inhibits phagocytosis
Talniflumate	100µM and 200µM	Cl^- and Cl^- /$HCO3^-$ exchanger		None	
TEA	10mM	K^+, Na^+		None	
Terfenadine	1µM	K^+, Ca^{2+}		None	
Tetrodotoxin	1µM and 5µM	Na^+		None	
Thioridazine	1µM and 50µM	K^+		None	
TRAM-34	1µM - 300µM	K^+		None	
TRO19622	50µM and 100µM	TRP		None	
UK5099	62.5µM – 1mM	Na^+		None	
WW781	10µM	Cl^-		None	