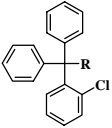

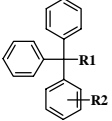

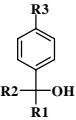


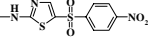

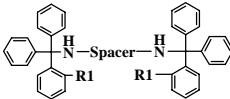
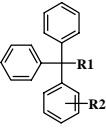
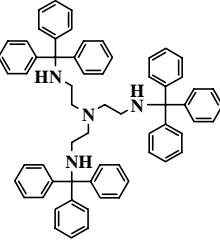


Supplementary Table 3. Compound structures and K_d values for *IKCa1* block

Compound					K_d [μM]	Compound					K_d [μM]
	1e	R = 			>20		R1		R2		
	1f	R = 			1.7		4b	1-pyrrolyl	H	28	
		R1	R2	R3			4c	1-pyrrolidinyl	H	30	
	2b	m-ClC ₆ H ₄	C ₆ H ₅	H	0.53		4e	<i>N</i> -(1,3-thiazol-2yl)aminyl	o-F	12	
	2c	p-ClC ₆ H ₄	C ₆ H ₅	H	0.55		4f	<i>N</i> -(1,3-thiazol-2yl)aminyl	p-Cl	20	
	2d	m-ClC ₆ H ₄	m-ClC ₆ H ₄	H	>50		4g	<i>N</i> -(1,3-thiazol-2yl)aminyl	p-CF ₃	35	
	2e	p-ClC ₆ H ₄	p-ClC ₆ H ₄	H	>50		4h	<i>N</i> -(1,3-thiazol-2yl)aminyl	o-CF ₃	25	
	2f	o-FC ₆ H ₄	C ₆ H ₅	H	0.7		4i	<i>N</i> -(4-methyl-1,3-thiazol-2yl)aminyl	o-Cl	8	
	2g	p-FC ₆ H ₄	C ₆ H ₅	H	0.7		4j		o-Cl	1	
	2h	o-CF ₃ C ₆ H ₄	C ₆ H ₅	H	0.7		4l	<i>N</i> -(4-pyridyl)aminyl	p-Cl	11	
	2i	m-CF ₃ C ₆ H ₄	C ₆ H ₅	H	0.6		4m	<i>N</i> -(2-pyrimidyl)aminyl	o-Cl	0.9	
	2j	p-CF ₃ C ₆ H ₄	C ₆ H ₅	H	0.8		4n	<i>N</i> -(2-pyrimidyl)aminyl	o-CF ₃	15	
	2k	p-CH ₃ OC ₆ H ₄	p-CH ₃ OC ₆ H ₄	H	10		4o	<i>N</i> -(2-pyridyl)aminyl	o-Cl	28	
	2l	p-CH ₃ OC ₆ H ₄	p-CH ₃ OC ₆ H ₄	p-CH ₃ O	10		4p		o-Cl	>20	
	2m	2-thienyl	C ₆ H ₅	H	1.5	4q		o-Cl	15		
	2n	2-thienyl	2-thienyl	H	9		R1		R2	R3	K_d
	2o	2-thienyl	p-FC ₆ H ₄	H	0.8		5e	p-CH ₃ OC ₆ H ₄	p-CH ₃ OC ₆ H ₄	C ₆ H ₅	35
	2p	2-thienyl	o-ClC ₆ H ₄	H	0.75	5f	p-CH ₃ OC ₆ H ₄	p-CH ₃ OC ₆ H ₄	p-CH ₃ OC ₆ H ₄	40	
	2q	(<i>S</i>)-2-pyrrolidine	C ₆ H ₅	H	>50		Spacer		R1	K_d	
	2r	(<i>R</i>)-2-pyrrolidine	C ₆ H ₅	H	>50		8a	-CH ₂ CH ₂ -	H	>50	
2s	4-pyridyl	C ₆ H ₅	H	>50	8b		-CH ₂ CH ₂ CH ₂ -	H	>50		
		R1	R2	K_d	8c		-CH ₂ C ₄ H ₆ CH ₂ -	H	>50		
	3b	NH ₂	o-F	2	8d		-CH ₂ CH ₂ -	Cl	30		
	3c	NH ₂	p-F	5	8e		-CH ₂ CH ₂ CH ₂ -	Cl	32		
	3d	NH ₂	o-CF ₃	2.5	8f			>50			
	3f	NH ₂ COCH ₃	o-F	1.2							
	3g	NH ₂ COCH ₃	o-CF ₃	1.5							
	3i	NH ₂ CONH ₂	o-F	5							
	3j	NH ₂ CONH ₂	p-F	10							
	3k	NH ₂ CONH ₂	p-Cl	15							
	3l	NH ₂ CONH ₂	H	8							
3n	CH(COOC ₂ H ₅) ₂	H	4								
3o	CH ₂ COOH	H	25								