

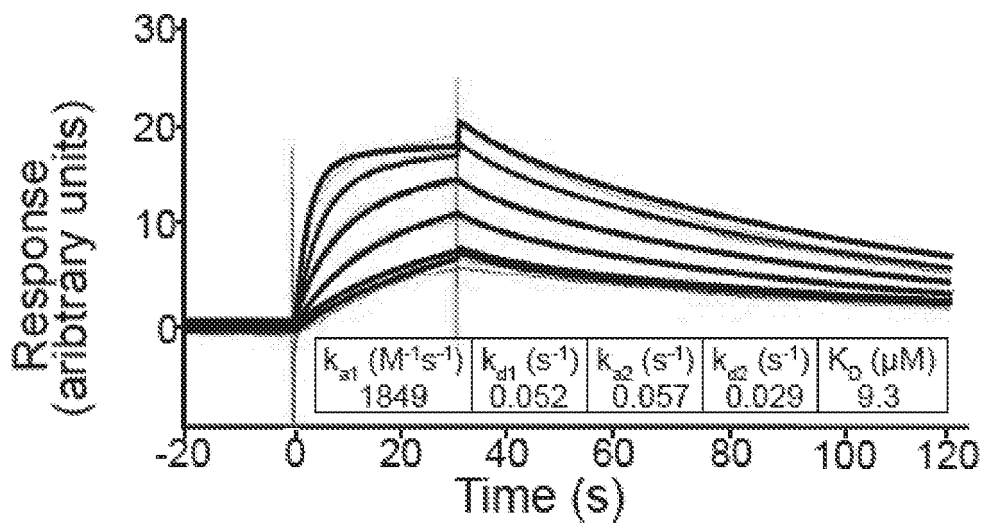
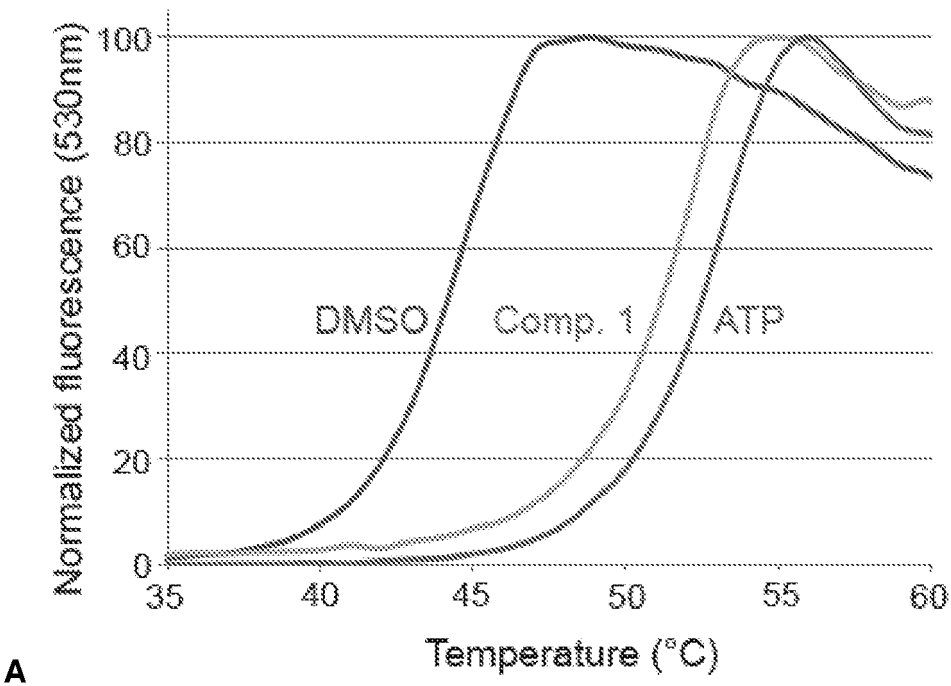
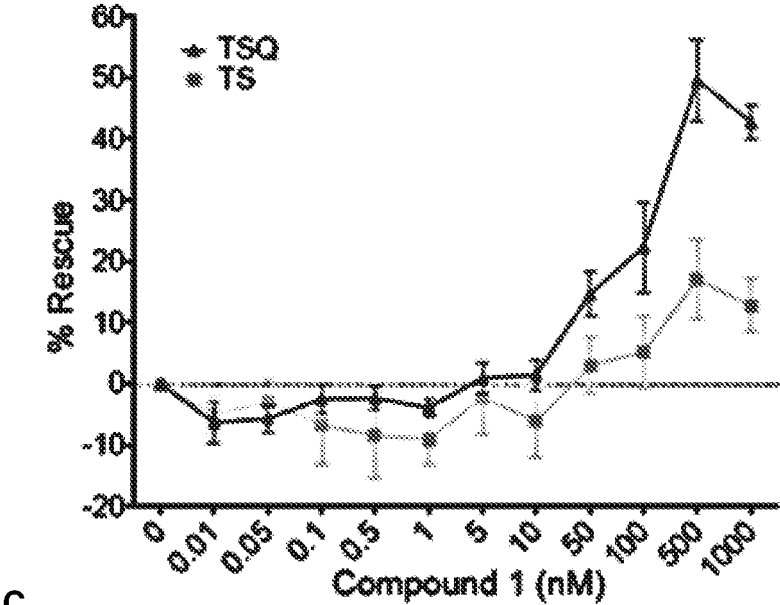


Figure 1A and 1B



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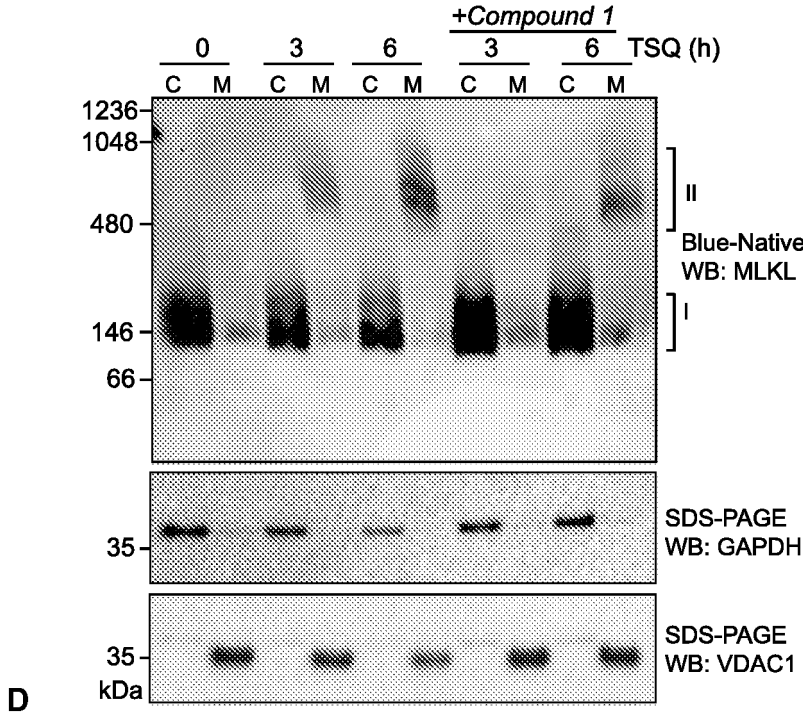


Figure 1C and 1D

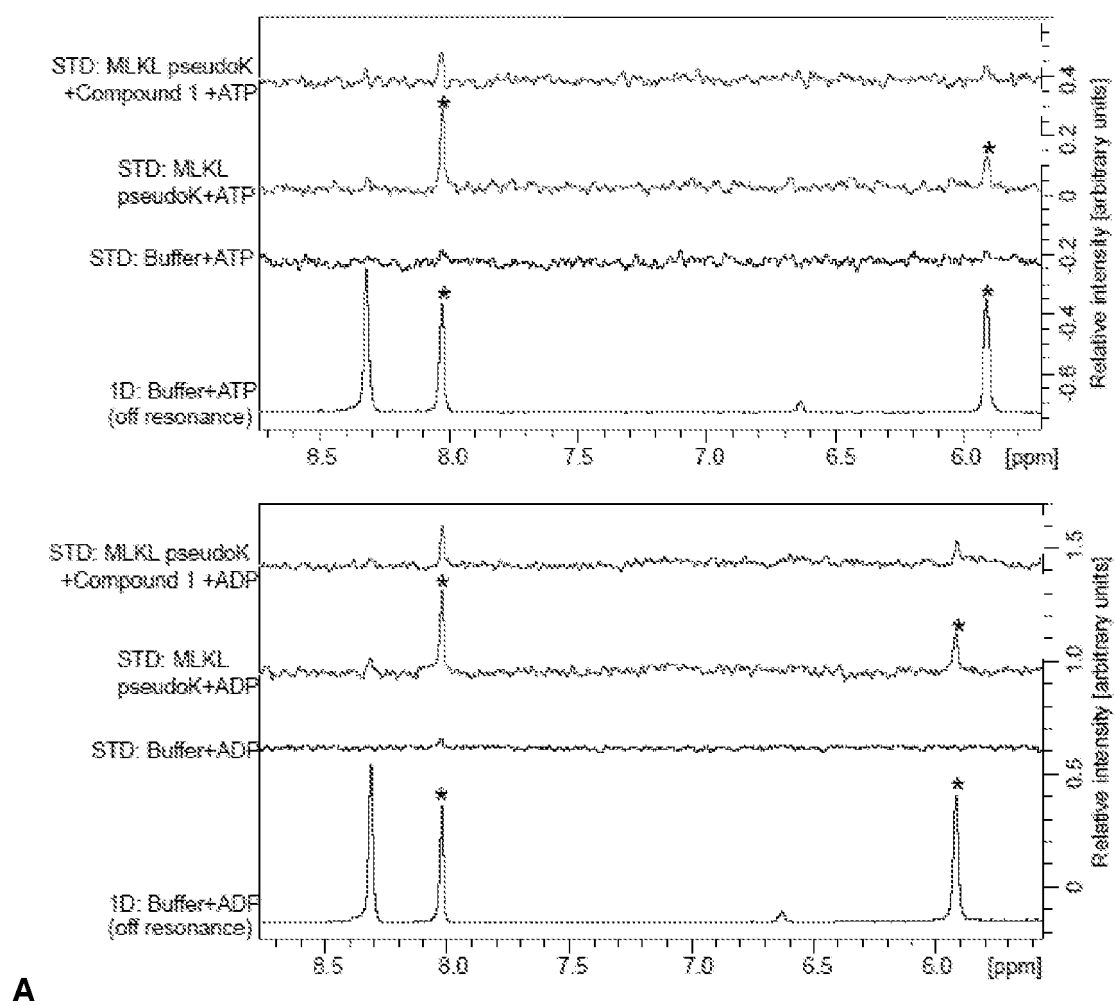


Figure 2A

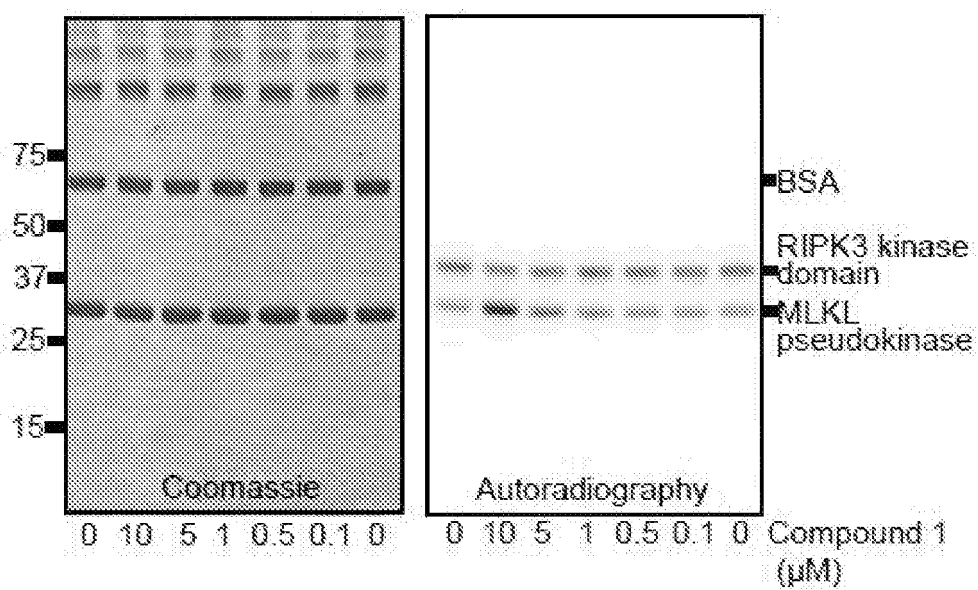
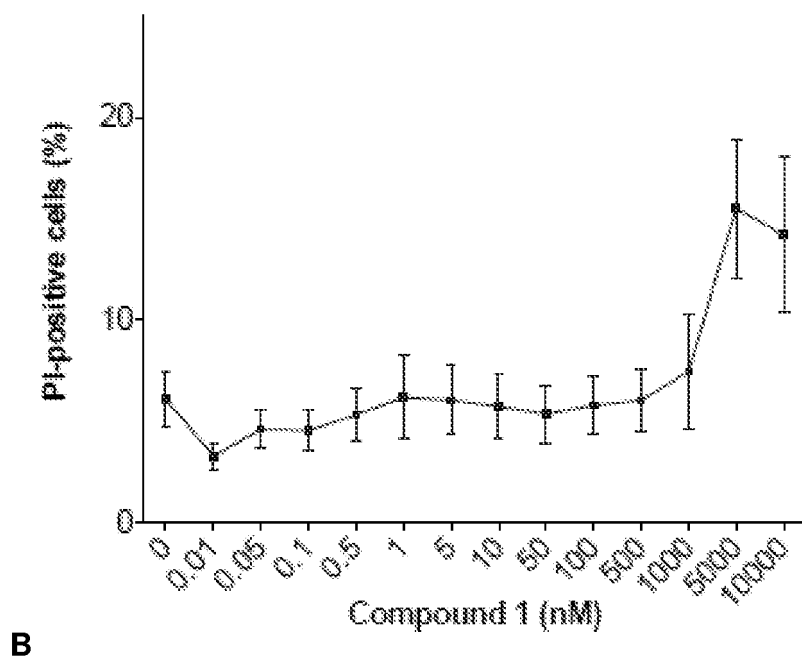
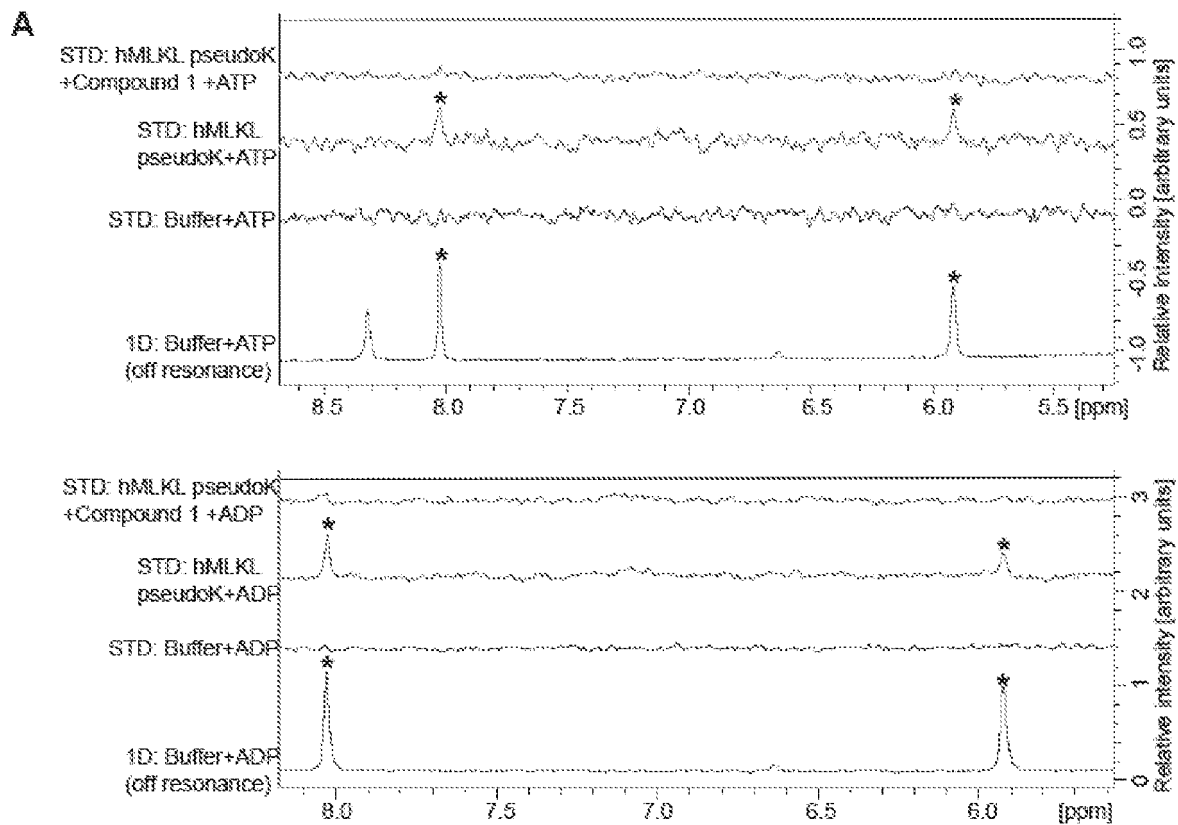


Figure 2B and 2C



5

Figure 3A

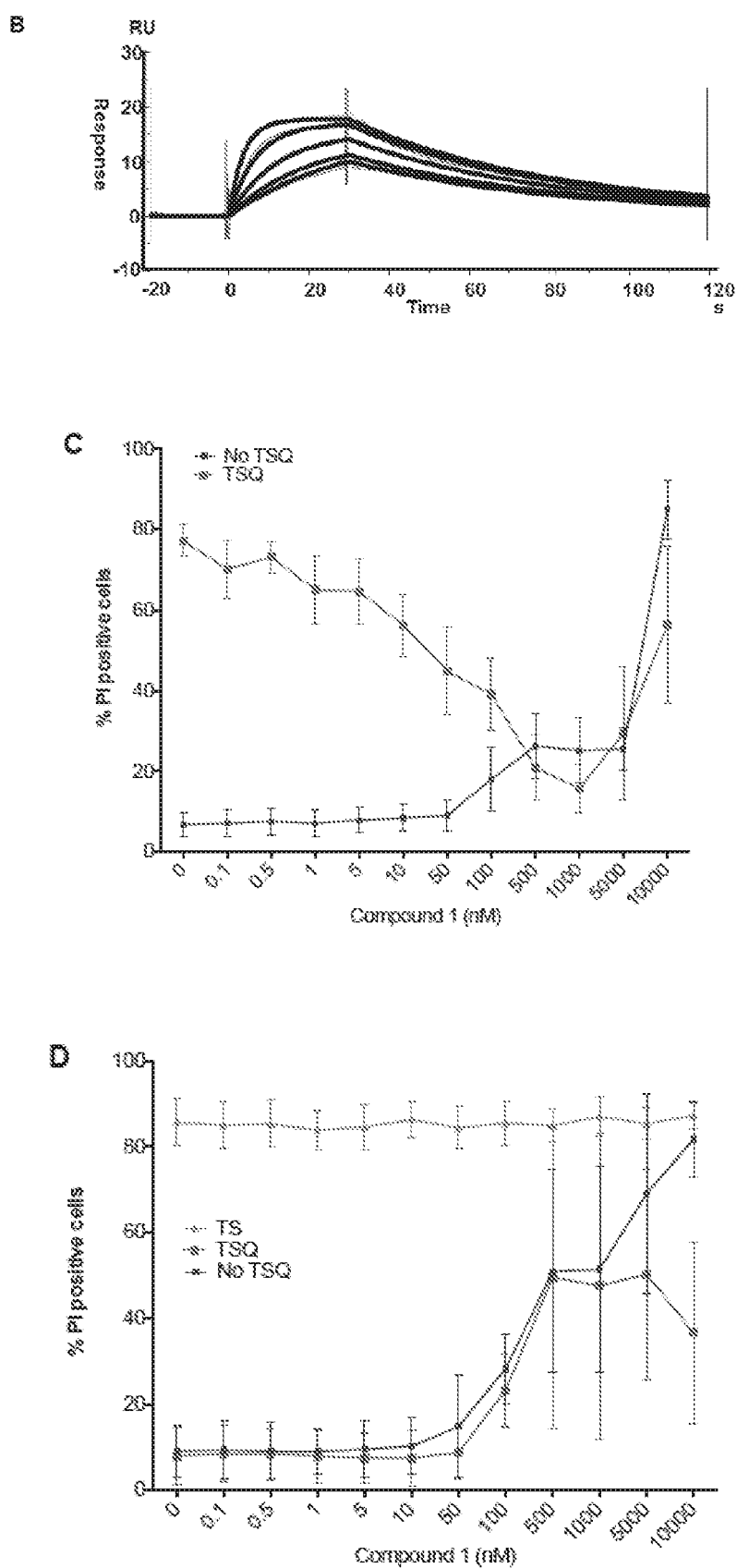


Figure 3B, 3C and 3D

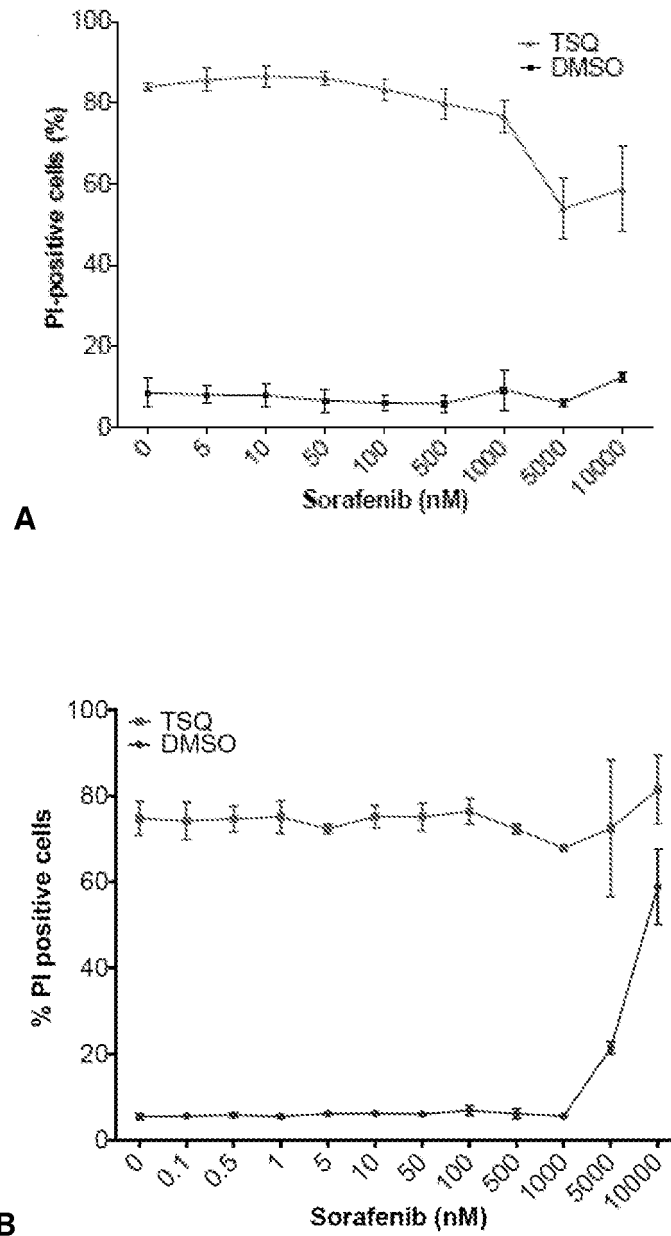


Figure 4

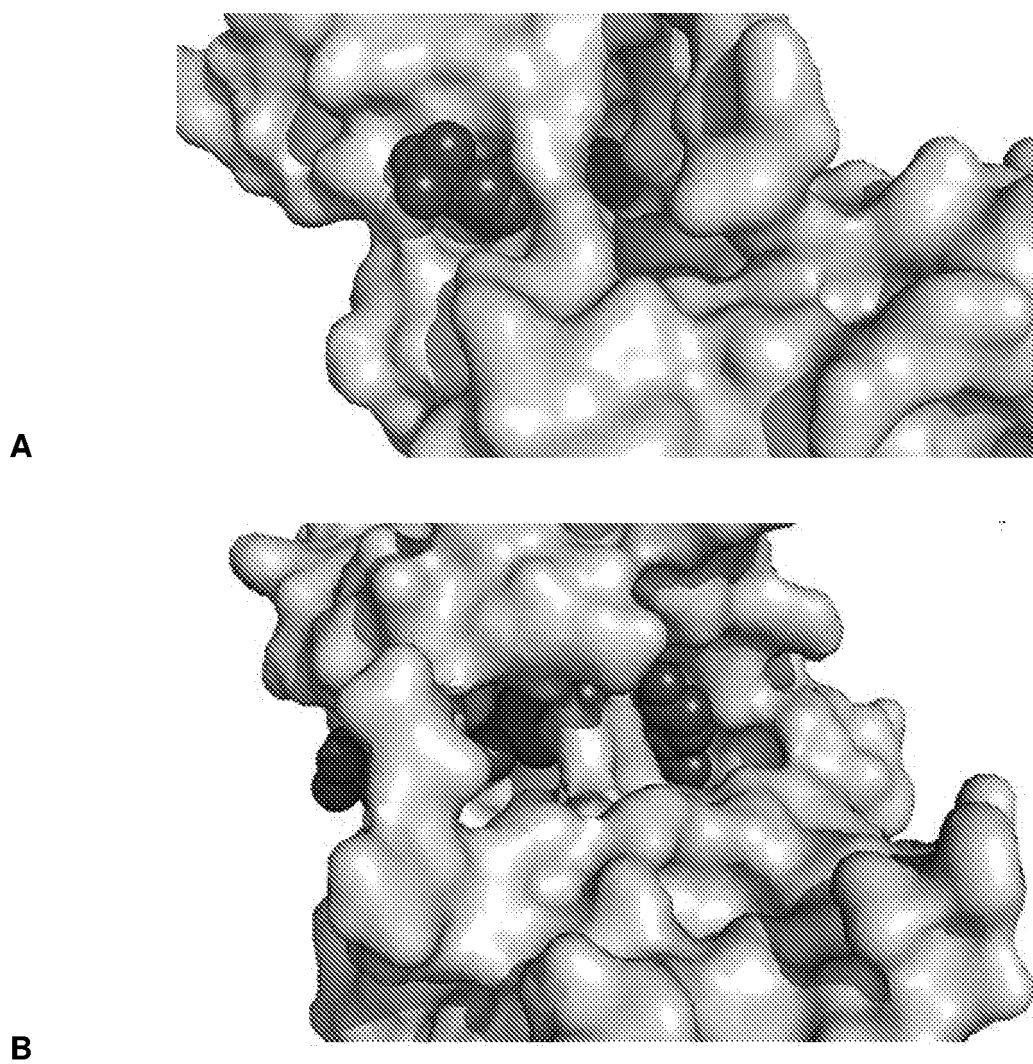


Figure 5

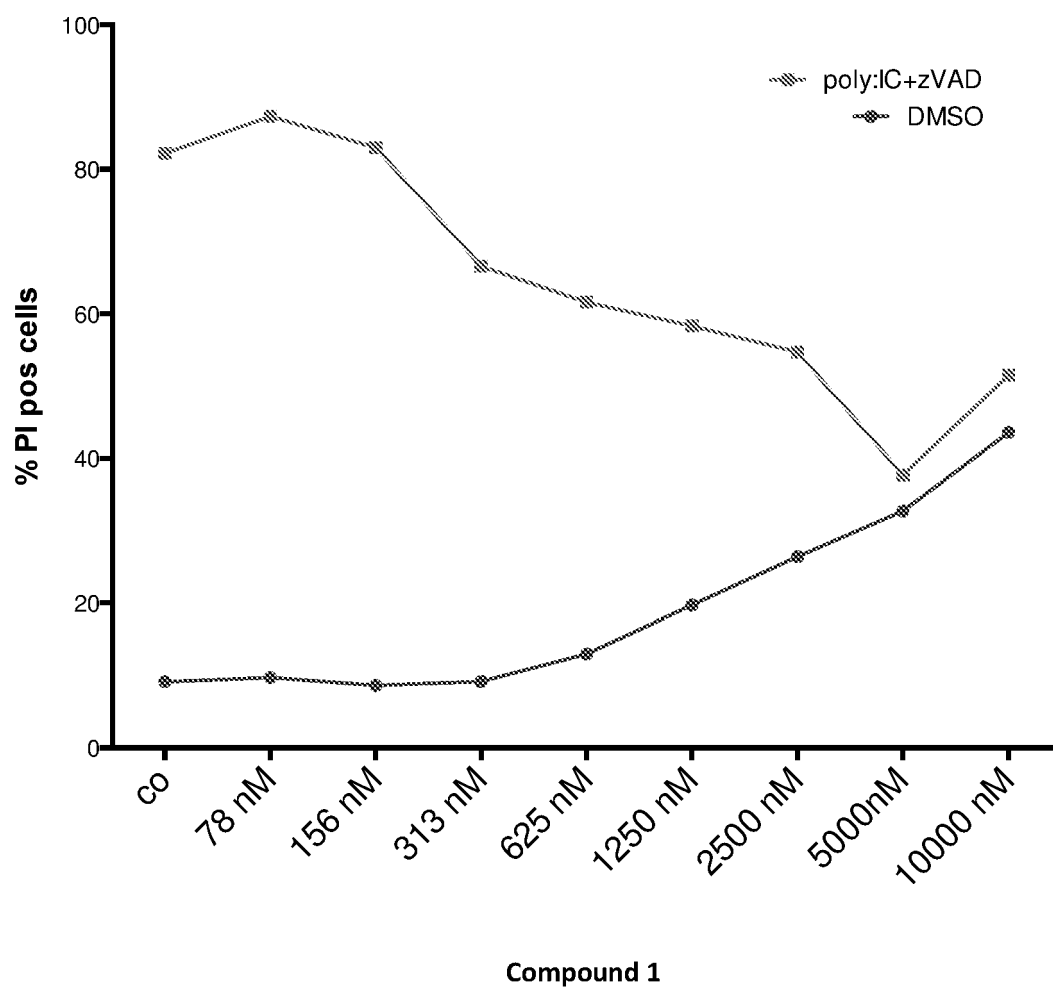


Figure 6

SEQ ID NO 1:

Met Glu Asn Leu Lys His Ile Ile Thr Leu Gly Gln Val Ile His Lys
 Arg Cys Glu Glu Met Lys Tyr Cys Lys Lys Gln Cys Arg Arg Leu Gly
 His Arg Val Leu Gly Leu Ile Lys Pro Leu Glu Met Leu Gln Asp Gln
 5 Gly Lys Arg Ser Val Pro Ser Glu Lys Leu Thr Thr Ala Met Asn Arg
 Phe Lys Ala Ala Leu Glu Glu Ala Asn Gly Glu Ile Glu Lys Phe Ser
 Asn Arg Ser Asn Ile Cys Arg Phe Leu Thr Ala Ser Gln Asp Lys Ile
 Leu Phe Lys Asp Val Asn Arg Lys Leu Ser Asp Val Trp Lys Glu Leu
 Ser Leu Leu Leu Gln Val Glu Gln Arg Met Pro Val Ser Pro Ile Ser
 10 Gln Gly Ala Ser Trp Ala Gln Glu Asp Gln Gln Asp Ala Asp Glu Asp
 Arg Arg Ala Phe Gln Met Leu Arg Arg Asp Asn Glu Lys Ile Glu Ala
 Ser Leu Arg Arg Leu Glu Ile Asn Met Lys Glu Ile Lys Glu Thr Leu
 Arg Gln Tyr Leu Pro Pro Lys Cys Met Gln Glu Ile Pro Gln Glu Gln
 Ile Lys Glu Ile Lys Lys Glu Gln Leu Ser Gly Ser Pro Trp Ile Leu
 15 Leu Arg Glu Asn Glu Val Ser Thr Leu Tyr Lys Gly Glu Tyr His Arg
 Ala Pro Val Ala Ile Lys Val Phe Lys Lys Leu Gln Ala Gly Ser Ile
 Ala Ile Val Arg Gln Thr Phe Asn Lys Glu Ile Lys Thr Met Lys Lys
 Phe Glu Ser Pro Asn Ile Leu Arg Ile Phe Gly Ile Cys Ile Asp Glu
 Thr Val Thr Pro Pro Gln Phe Ser Ile Val Met Glu Tyr Cys Glu Leu
 20 Gly Thr Leu Arg Glu Leu Leu Asp Arg Glu Lys Asp Leu Thr Leu Gly
 Lys Arg Met Val Leu Val Leu Gly Ala Ala Arg Gly Leu Tyr Arg Leu
 His His Ser Glu Ala Pro Glu Leu His Gly Lys Ile Arg Ser Ser Asn
 Phe Leu Val Thr Gln Gly Tyr Gln Val Lys Leu Ala Gly Phe Glu Leu
 Arg Lys Thr Gln Thr Ser Met Ser Leu Gly Thr Thr Arg Glu Lys Thr
 25 Asp Arg Val Lys Ser Thr Ala Tyr Leu Ser Pro Gln Glu Leu Glu Asp
 Val Phe Tyr Gln Tyr Asp Val Lys Ser Glu Ile Tyr Ser Phe Gly Ile
 Val Leu Trp Glu Ile Ala Thr Gly Asp Ile Pro Phe Gln Gly Cys Asn
 Ser Glu Lys Ile Arg Lys Leu Val Ala Val Lys Arg Gln Gln Glu Pro
 Leu Gly Glu Asp Cys Pro Ser Glu Leu Arg Glu Ile Ile Asp Glu Cys
 30 Arg Ala His Asp Pro Ser Val Arg Pro Ser Val Asp Glu Ile Leu Lys
 Lys Leu Ser Thr Phe Ser Lys

Figure 7

SEQ ID NO 2

Met Glu Asn Leu Lys His Ile Ile Thr Leu Gly Gln Val Ile His Lys
Arg Cys Glu Glu Met Lys Tyr Cys Lys Lys Gln Cys Arg Arg Leu Gly
5 His Arg Val Leu Gly Leu Ile Lys Pro Leu Glu Met Leu Gln Asp Gln
Gly Lys Arg Ser Val Pro Ser Glu Lys Leu Thr Thr Ala Met Asn Arg
Phe Lys Ala Ala Leu Glu Glu Ala Asn Gly Glu Ile Glu Lys Phe Ser
Asn Arg Ser Asn Ile Cys Arg Phe Leu Thr Ala Ser Gln Asp Lys Ile
Leu Phe Lys Asp Val Asn Arg Lys Leu Ser Asp Val Trp Lys Glu Leu
10 Ser Leu Leu Leu Gln Val Glu Gln Arg Met Pro Val Ser Pro Ile Ser
Gln Gly Ala Ser Trp Ala Gln Glu Asp Gln Gln Asp Ala Asp Glu Asp
Arg Arg Ala Phe Gln Met Leu Arg Arg Asp Asn Glu Lys Ile Glu Ala
Ser Leu Arg Arg Leu Glu Ile Asn Met Lys Glu Ile Lys Glu Thr Leu
Arg Gln Ser Leu Glu Ser Ser Ser Gly Lys Ser Pro Leu Glu Ile Ser
15 Arg Phe Lys Val Lys Asn Val Lys Thr Gly Ser Ala Ser Gly Cys Asn
Ser Glu Lys Ile Arg Lys Leu Val Ala Val Lys Arg Gln Gln Glu Pro
Leu Gly Glu Asp Cys Pro Ser Glu Leu Arg Glu Ile Ile Asp Glu Cys
Arg Ala His Asp Pro Ser Val Arg Pro Ser Val Asp Glu Ile Leu Lys
20 Lys Leu Ser Thr Phe Ser Lys

Figure 8

SEQ ID NO 3:

Met Asp Lys Leu Gly Gln Ile Ile Lys Leu Gly Gln Leu Ile Tyr Glu
Gln Cys Glu Lys Met Lys Tyr Cys Arg Lys Gln Cys Gln Arg Leu Gly
Asn Arg Val His Gly Leu Leu Gln Pro Leu Gln Arg Leu Gln Ala Gln
5 Gly Lys Lys Asn Leu Pro Asp Asp Ile Thr Ala Ala Leu Gly Arg Phe
Asp Glu Val Leu Lys Glu Ala Asn Gln Gln Ile Glu Lys Phe Ser Lys
Lys Ser His Ile Trp Lys Phe Val Ser Val Gly Asn Asp Lys Ile Leu
Phe His Glu Val Asn Glu Lys Leu Arg Asp Val Trp Glu Glu Leu Leu
Leu Leu Leu Gln Val Tyr His Trp Asn Thr Val Ser Asp Val Ser Gln
10 Pro Ala Ser Trp Gln Gln Glu Asp Arg Gln Asp Ala Glu Glu Asp Gly
Asn Glu Asn Met Lys Val Ile Leu Met Gln Leu Gln Ile Ser Val Glu
Glu Ile Asn Lys Thr Leu Lys Gln Cys Ser Leu Lys Pro Thr Gln Glu
Ile Pro Gln Asp Leu Gln Ile Lys Glu Ile Pro Lys Glu His Leu Gly
Pro Pro Trp Thr Lys Leu Lys Thr Ser Lys Met Ser Thr Ile Tyr Arg
15 Gly Glu Tyr His Arg Ser Pro Val Thr Ile Lys Val Phe Asn Asn Pro
Gln Ala Glu Ser Val Gly Ile Val Arg Phe Thr Phe Asn Asp Glu Ile
Lys Thr Met Lys Lys Phe Asp Ser Pro Asn Ile Leu Arg Ile Phe Gly
Ile Cys Ile Asp Gln Thr Val Lys Pro Pro Glu Phe Ser Ile Val Met
Glu Tyr Cys Glu Leu Gly Thr Leu Arg Glu Leu Leu Asp Arg Glu Lys
20 Asp Leu Thr Met Ser Val Arg Ser Leu Leu Val Leu Arg Ala Ala Arg
Gly Leu Tyr Arg Leu His His Ser Glu Thr Leu His Arg Asn Ile Ser
Ser Ser Ser Phe Leu Val Ala Gly Gly Tyr Gln Val Lys Leu Ala Gly
Phe Glu Leu Ser Lys Thr Gln Asn Ser Ile Ser Arg Thr Ala Lys Ser
Thr Lys Ala Glu Arg Ser Ser Ser Thr Ile Tyr Val Ser Pro Glu Arg
25 Leu Lys Asn Pro Phe Cys Leu Tyr Asp Ile Lys Ala Glu Ile Tyr Ser
Phe Gly Ile Val Leu Trp Glu Ile Ala Thr Gly Lys Ile Pro Phe Glu
Gly Cys Asp Ser Lys Lys Ile Arg Glu Leu Val Ala Glu Asp Lys Lys
Gln Glu Pro Val Gly Gln Asp Cys Pro Glu Leu Leu Arg Glu Ile Ile
Asn Glu Cys Arg Ala His Glu Pro Ser Gln Arg Pro Ser Val Asp Gly
30 Arg Ser Leu Ser Gly Arg Glu Arg Ile Leu Glu Arg Leu Ser Ala Val
Glu Glu Ser Thr Asp Lys Lys Val

Figure 9

SEQ ID NO 4

Met Asp Lys Leu Gly Gln Ile Ile Lys Leu Gly Gln Leu Ile Tyr Glu
Gln Cys Glu Lys Met Lys Tyr Cys Arg Lys Gln Cys Gln Arg Leu Gly
Asn Arg Val His Gly Leu Leu Gln Pro Leu Gln Arg Leu Gln Ala Gln
5 Gly Lys Lys Asn Leu Pro Asp Asp Ile Thr Ala Ala Leu Gly Arg Phe
Asp Glu Val Leu Lys Glu Ala Asn Gln Gln Ile Glu Lys Phe Ser Lys
Lys Ser His Ile Trp Lys Phe Val Ser Val Gly Asn Asp Lys Ile Leu
Phe His Glu Val Asn Glu Lys Leu Arg Asp Val Trp Glu Glu Leu Leu
Leu Leu Leu Gln Val Tyr His Trp Asn Thr Val Ser Asp Val Ser Gln
10 Pro Ala Ser Trp Gln Gln Glu Asp Arg Gln Asp Ala Glu Glu Asp Gly
Asn Glu Asn Met Lys Val Ile Leu Met Gln Leu Gln Ile Ser Val Glu
Glu Ile Asn Lys Thr Leu Lys Gln Cys Ser Leu Lys Pro Thr Gln Glu
Ile Pro Gln Asp Leu Gln Ile Lys Glu Ile Pro Lys Glu His Leu Gly
Pro Pro Trp Thr Lys Leu Lys Thr Ser Lys Met Ser Thr Ile Tyr Arg
15 Gly Glu Tyr His Arg Ser Pro Val Thr Ile Lys Val Phe Asn Asn Pro
Gln Ala Glu Ser Val Gly Ile Val Arg Phe Thr Phe Asn Asp Glu Ile
Lys Thr Met Lys Lys Phe Asp Ser Pro Asn Ile Leu Arg Ile Phe Gly
Ile Cys Ile Asp Gln Thr Val Lys Pro Pro Glu Phe Ser Ile Val Met
Glu Tyr Cys Glu Leu Gly Thr Leu Arg Glu Leu Leu Asp Arg Glu Lys
20 Asp Leu Thr Met Ser Val Arg Ser Leu Leu Val Leu Arg Ala Ala Arg
Gly Leu Tyr Arg Leu His His Ser Glu Thr Leu His Arg Asn Ile Ser
Ser Ser Ser Phe Leu Val Ala Gly Gly Tyr Gln Val Lys Leu Ala Gly
Phe Glu Leu Ser Lys Thr Gln Asn Ser Ile Ser Arg Thr Ala Lys Ser
Thr Lys Ala Glu Arg Ser Ser Ser Thr Ile Tyr Val Ser Pro Glu Arg
25 Leu Lys Asn Pro Phe Cys Leu Tyr Asp Ile Lys Ala Glu Ile Tyr Ser
Phe Gly Ile Val Leu Trp Glu Ile Ala Thr Gly Lys Ile Pro Phe Glu
Gly Cys Asp Ser Lys Lys Ile Arg Glu Leu Val Ala Glu Asp Lys Lys
Gln Glu Pro Val Gly Gln Asp Cys Pro Glu Leu Leu Arg Glu Ile Ile
Asn Glu Cys Arg Ala His Glu Pro Ser Gln Arg Pro Ser Val Asp Gly
30 Ile Leu Glu Arg Leu Ser Ala Val Glu Glu Ser Thr Asp Lys Lys Val

Figure 10