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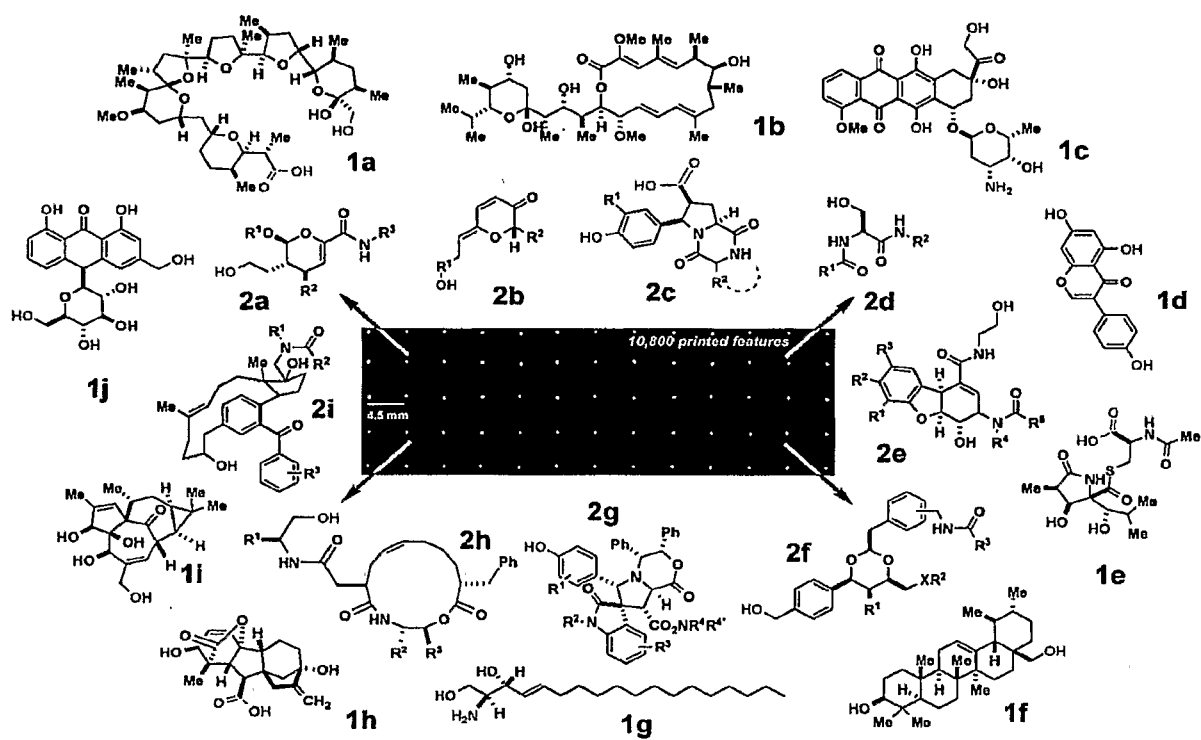


Figure 1

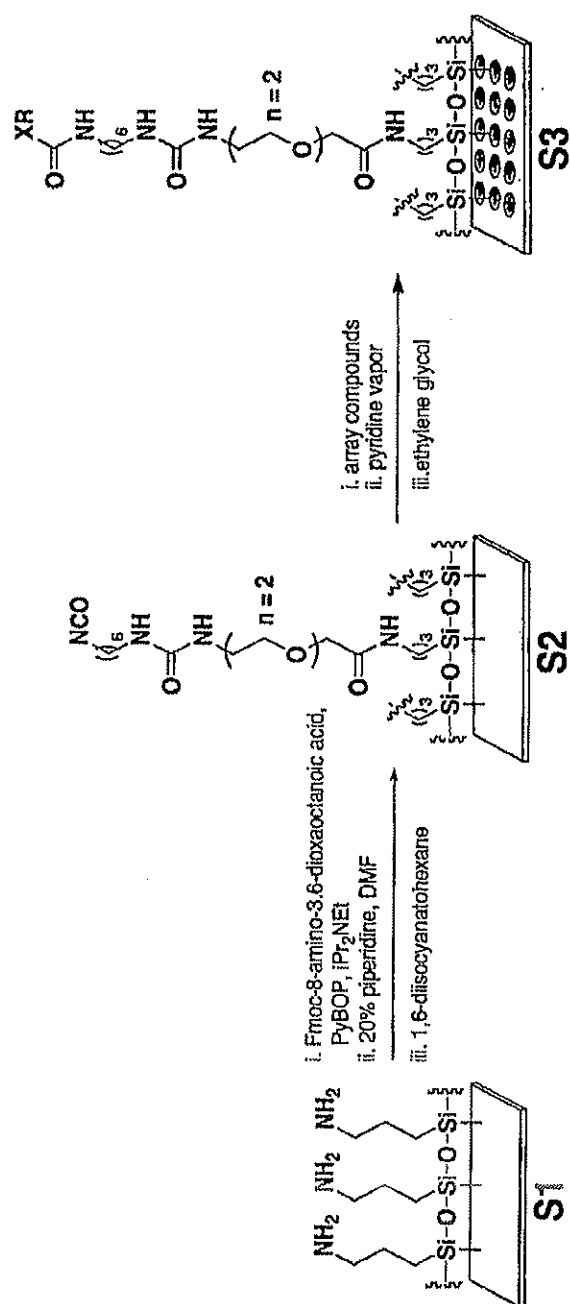
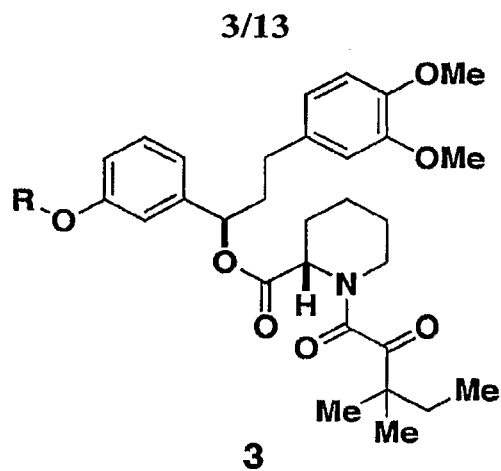
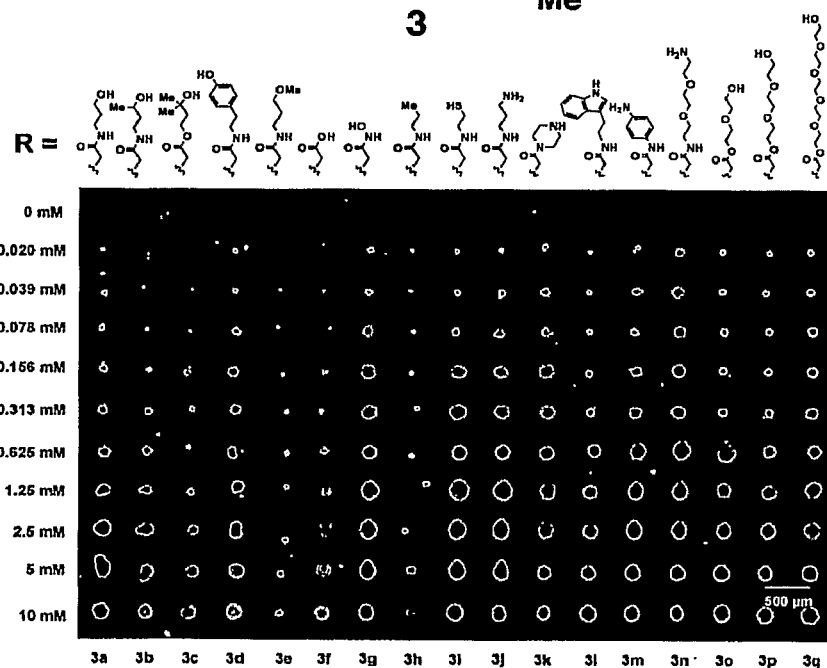


Figure 2

a)



b)



c)

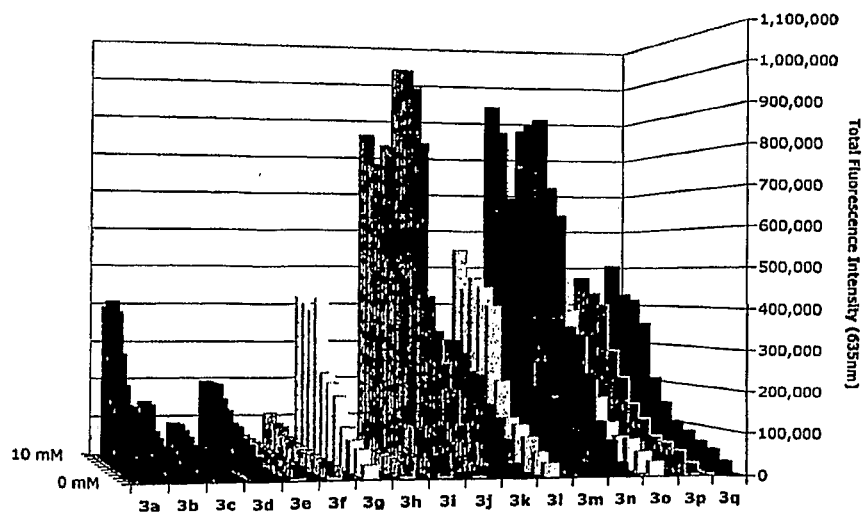
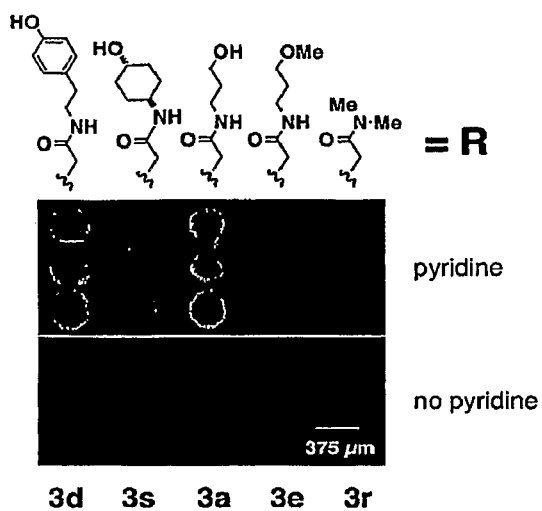


Figure 3

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d)



e)

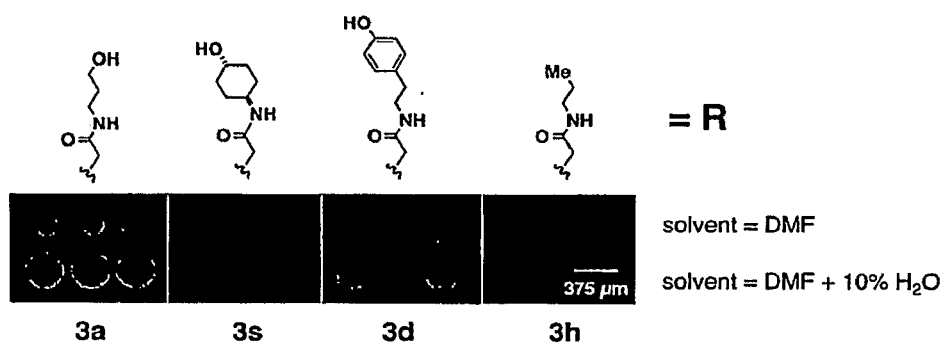


Figure 3

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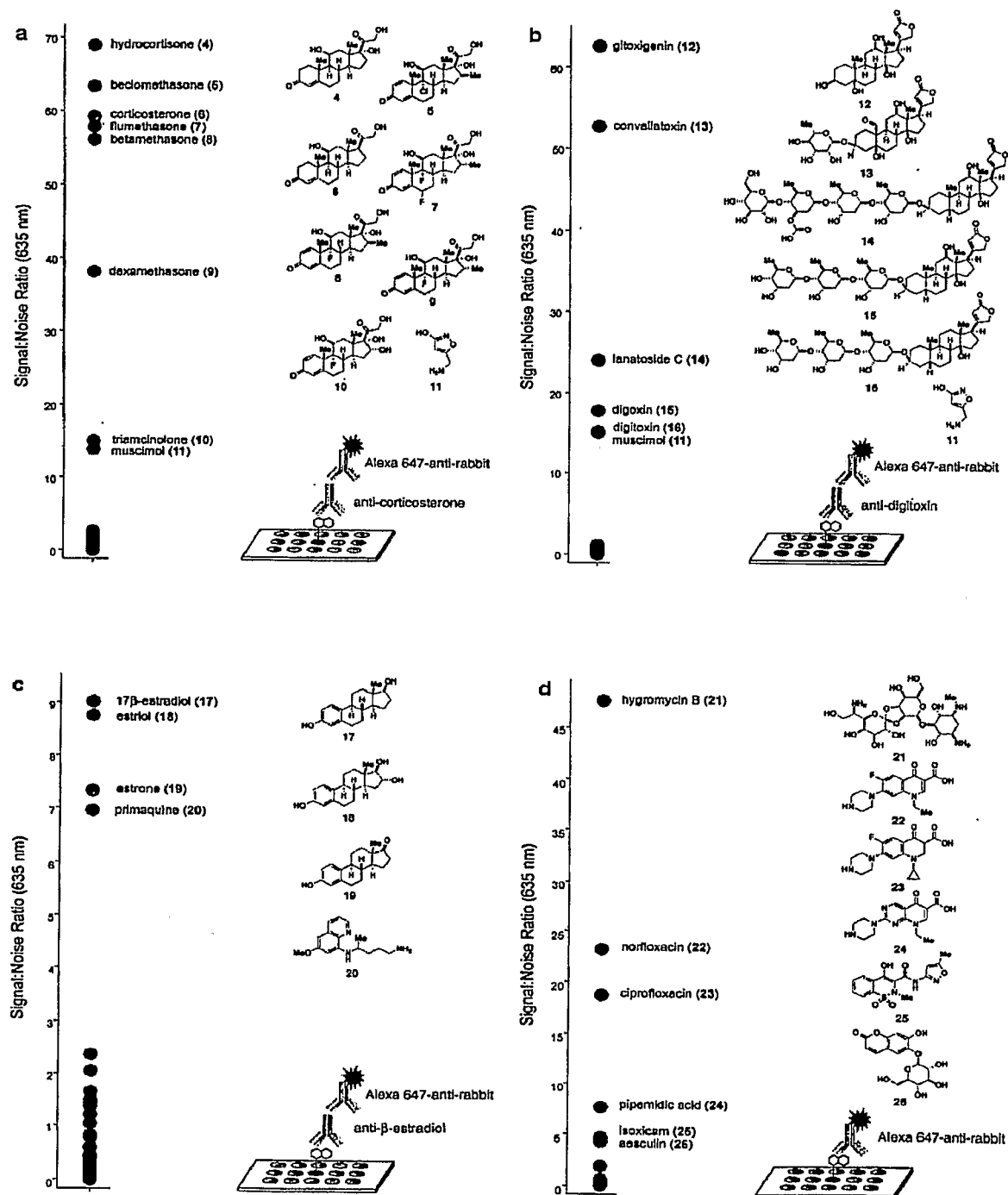
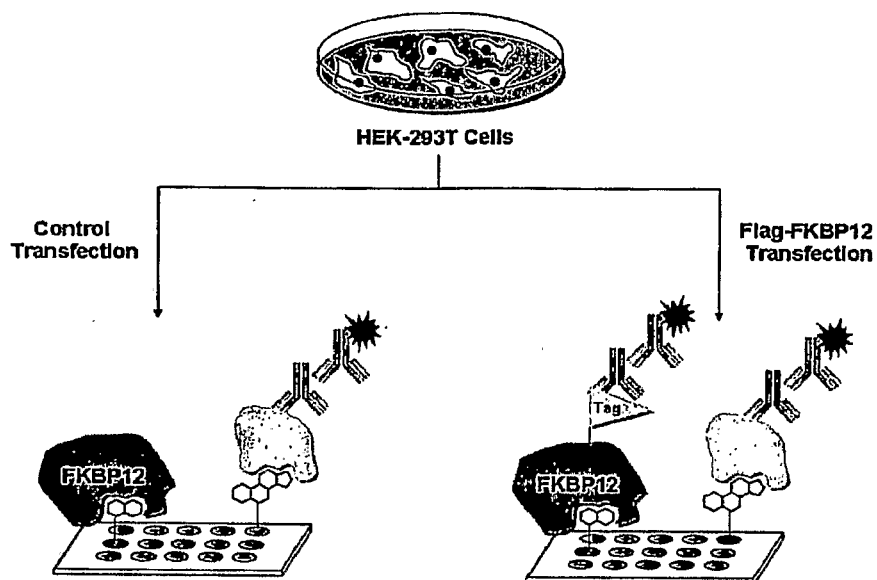


Figure 4

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a)



b)

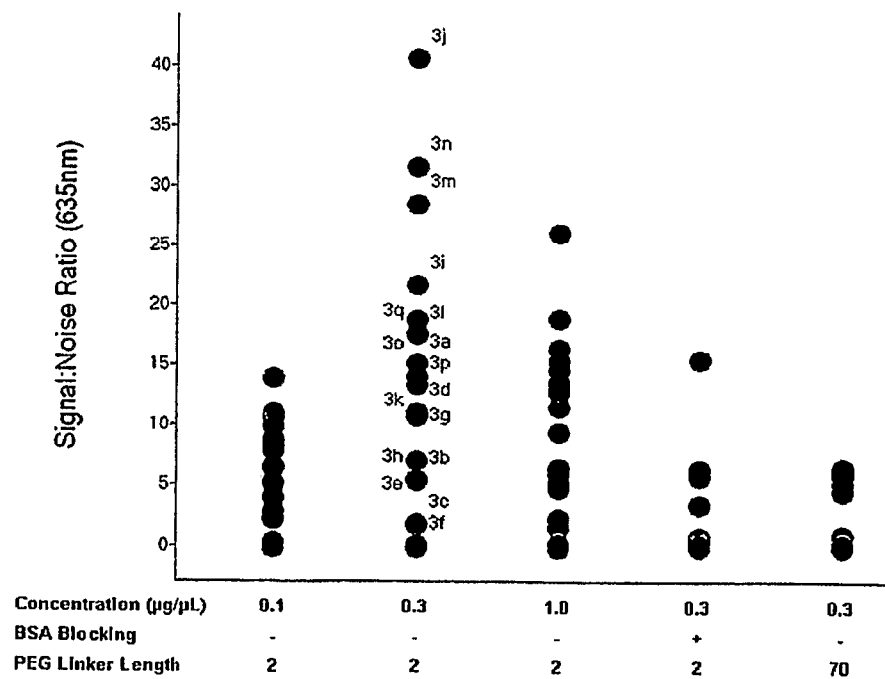
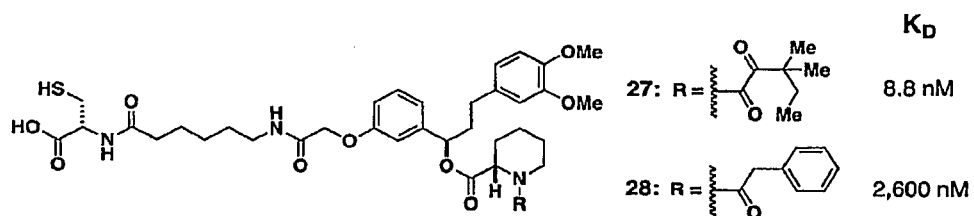


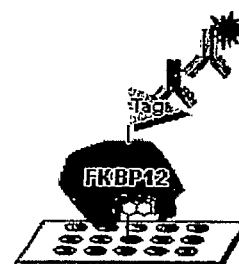
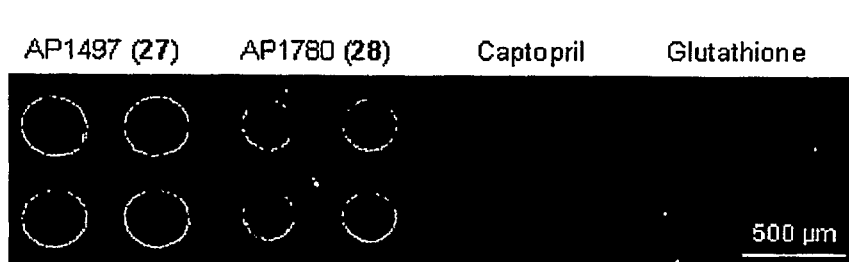
Figure 5

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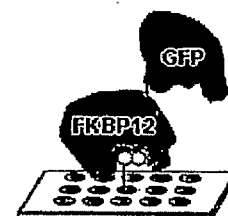
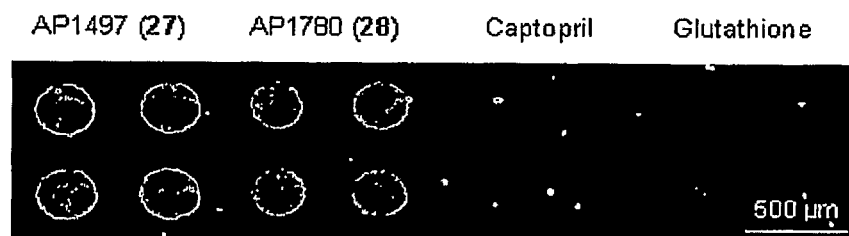
a)



b)



c)



D

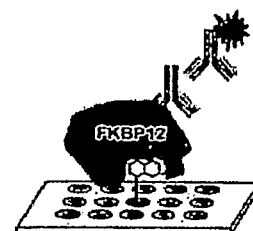
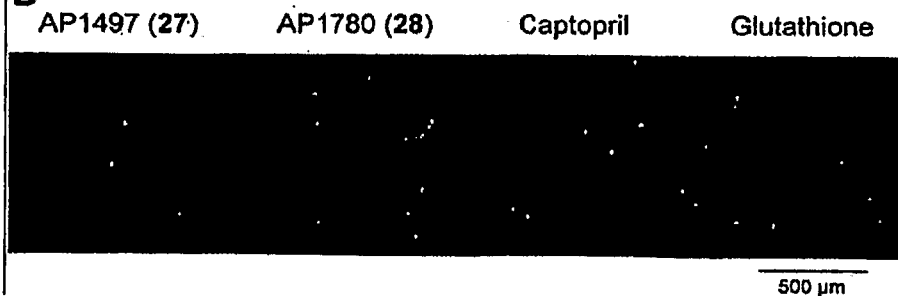
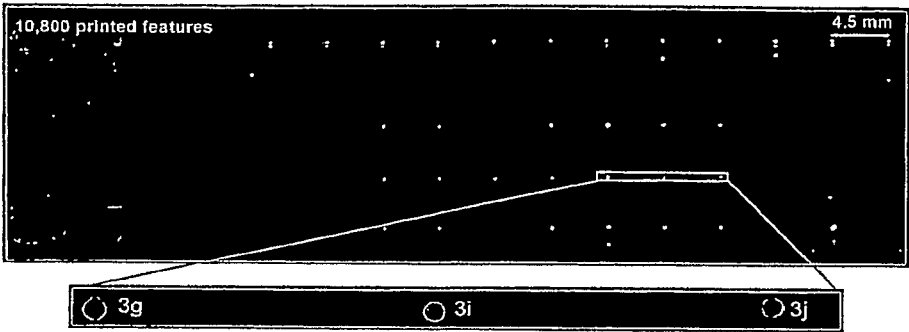


Figure 6

a)



b)

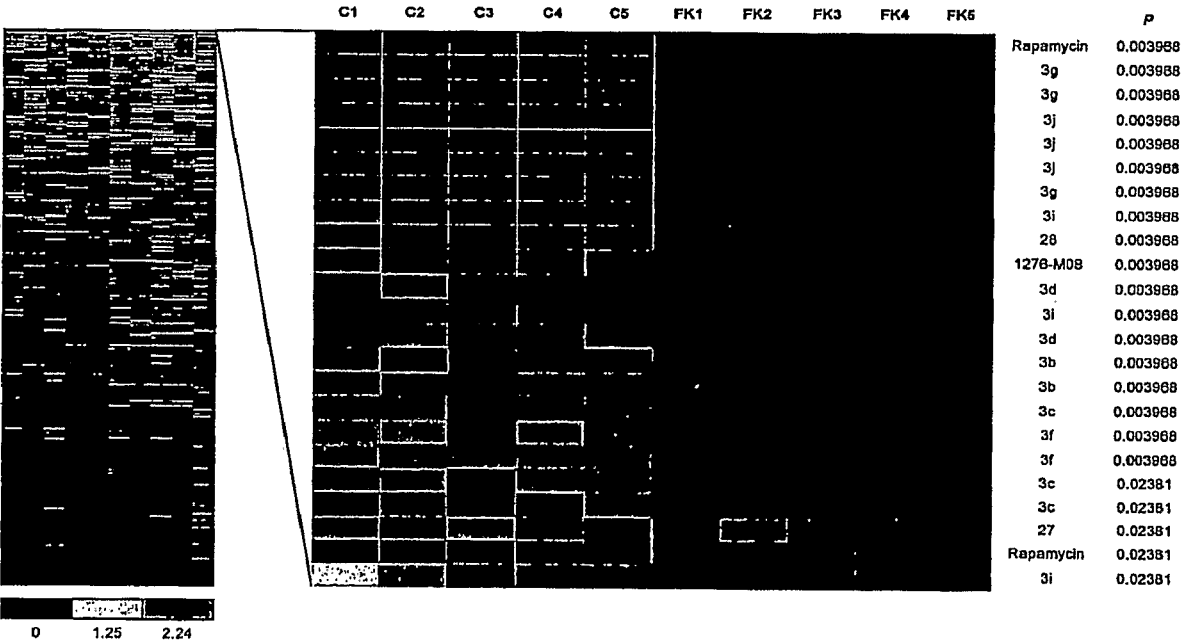
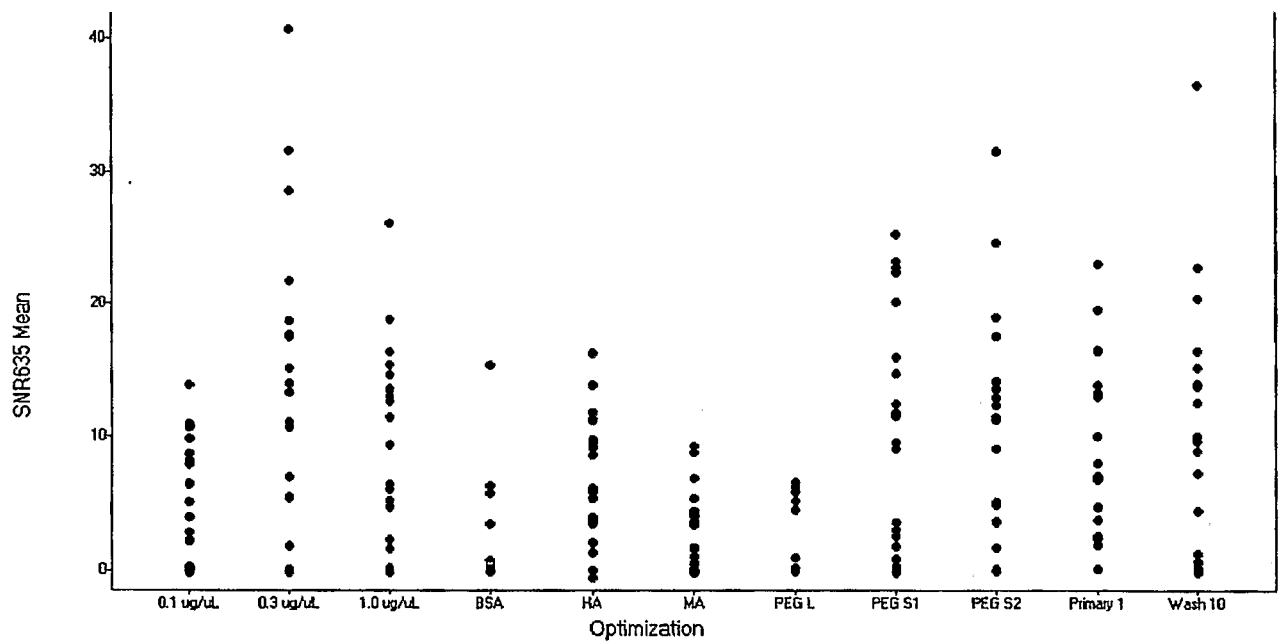


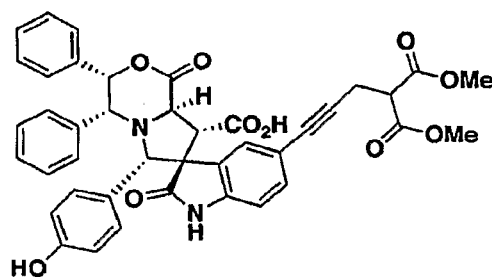
Figure 7

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Optimization Experiments for Screening SMMs with Cellular Lysates**Figure 8**

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a)

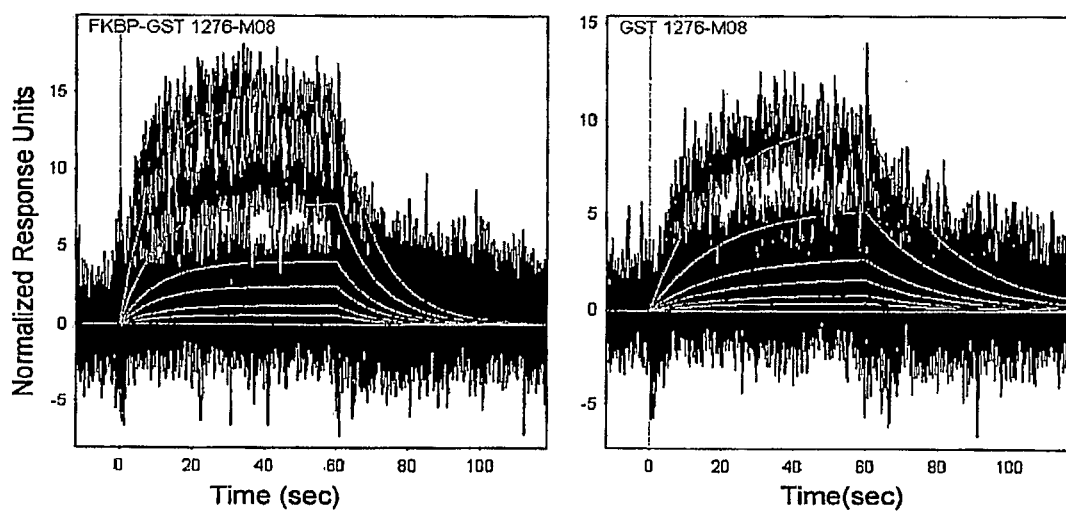


1276-M08

Chemical Formula: $C_{41}H_{34}N_2O_{10}$
Molecular Weight: 714.72

Log P: 4.81

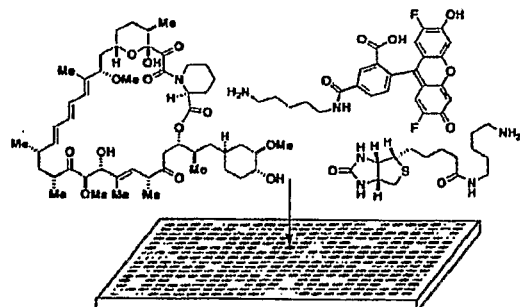
b)



	FKBP-GST	GST
Concentrations	18.7nM - 5uM	18.7nM - 5uM
Rmax	100 RU	100 RU
ka	2024 sec-1 M-1	1098 sec-1 M-1
kd	0.0698 sec-1	0.0480 sec-1
KD	3.4e-5 M	4.4e-5 M

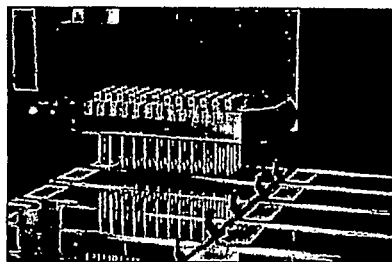
Figure 9

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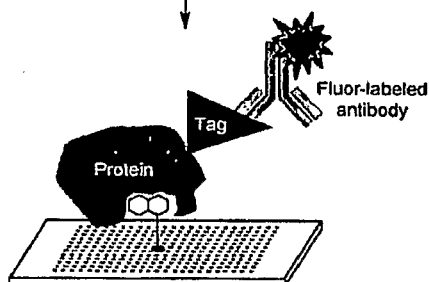
Steps 1-2: Prepare small molecule stock solutions in 384-well plates

Steps 3-6: Prepare isocyanate-coated glass microscope slides



Steps 7-14: Print stock solutions onto isocyanate-coated glass slides to make SMMs

Steps 15-18: Treat slides with pyridine vapor, quench surface, wash and dry by centrifugation



Steps 19-23 or Steps 24-29: Probe SMM with protein of interest from lysates or after purification

Step 30: Scan microarray for fluorescence



Steps 31-34: Fluorescent features reveal putative binding interactions

Figure 10

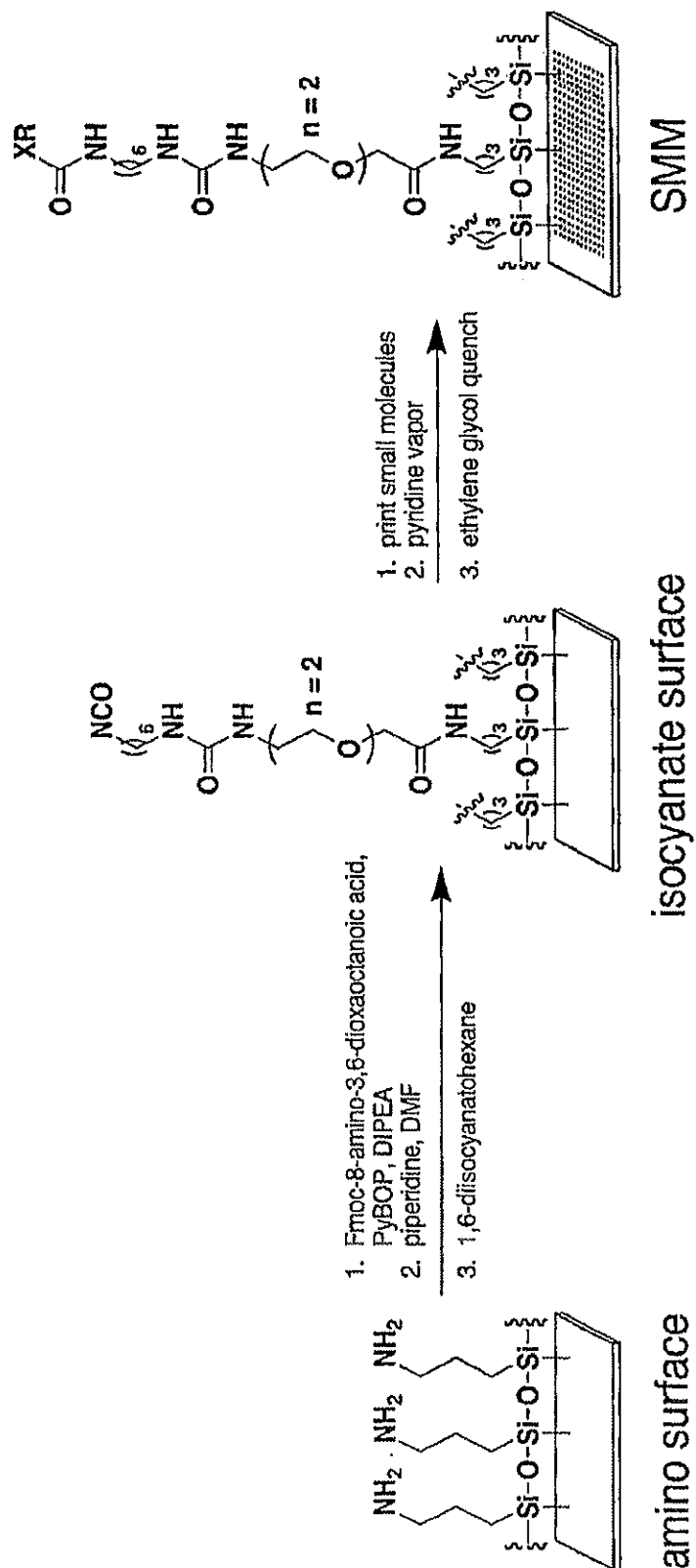


Figure 11

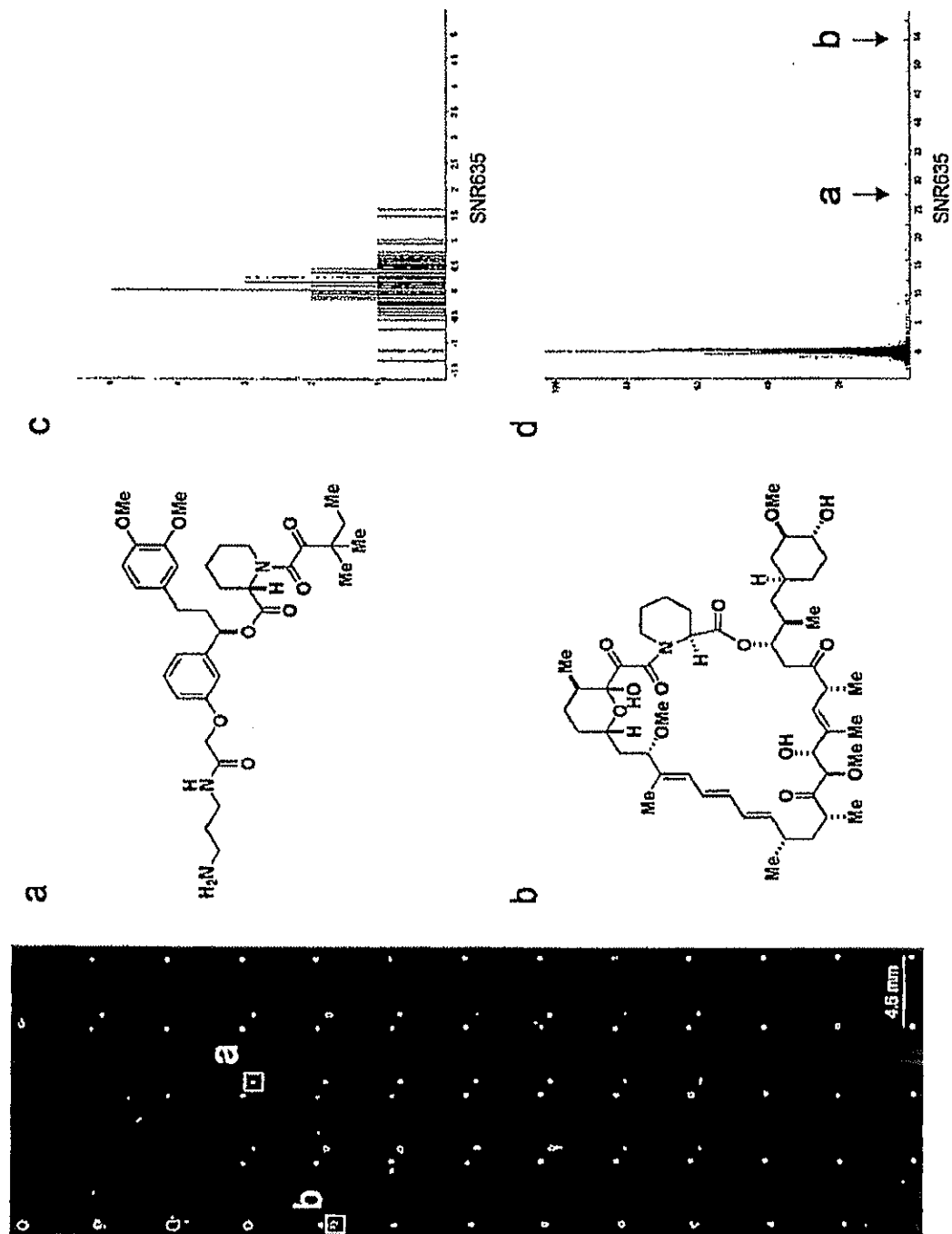


Figure 12