

Chalcone Library List

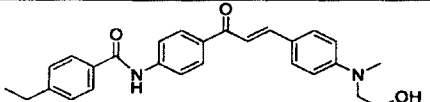
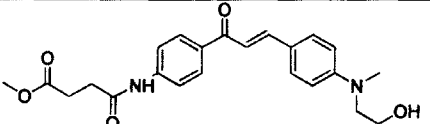
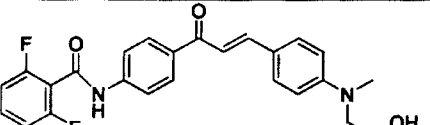
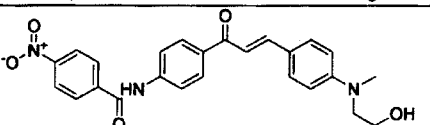
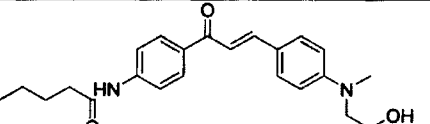
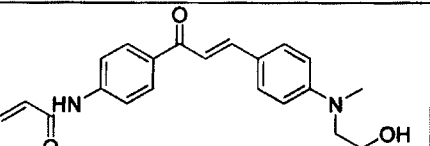
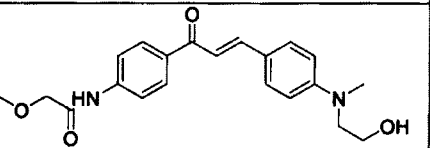
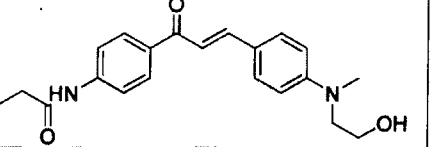
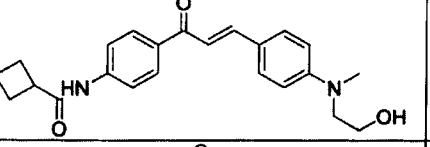
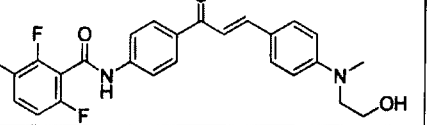
Code	Structure	mass (calc)	mass (found)	Abs (nm)	Em (nm)	Ext Coeff	Quantum Yield (5μM)
CLA-1		429.2	429.0	431	560	126061	0.190
CLA-2		411.2	411.0	428	555	25115	0.171
CLA-4		437.2	437.0	431	565	96339	0.146
CLA-5		446.2	446.0	433	551	75879	0.003
CLA-6		381.2	381.0	427	557	37091	0.200
CLA-7		351.2	351.0	429	563	23564	0.202
CLA-8		369.2	369.0	429	556	27442	0.164
CLA-10		353.2	353.0	427	554	28994	0.181
CLA-12		379.2	379.0	428	556	34036	0.208
CLA-14		451.2	450.9	431	565	37479	0.150

FIG. 1

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Chalcone Library List

Code	Structure	mass (calc)	mass (found)	Abs (nm)	Em (nm)	Ext Coeff	Quantum Yield (5μM)
CLA-15		471.1	470.9	433	568	49115	0.130
CLA-16		458.2	458.0	431	593	127564	0.182
CLA-17		437.2	437.0	432	564	46545	0.147
CLA-18		545.1	544.8	431	567	56533	0.149
CLA-20		480.1	479.9	432	544	67152	0.010
CLA-22		487.2	486.9	432	563	40970	0.048
CLA-23		497.1	498.8	433	561	26376	0.117
CLA-24		437.2	436.9	432	564	40970	0.131
CLA-25		461.2	460.9	430	551	12412	0.016

FIG. 1 (Cont.)

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Code	Structure	mass (calc)	mass (found)	Abs (nm)	Em (nm)	Ext Coeff	Quantum Yield (5μM)
CLA-26		503.1	504.1	431	564	50715	0.129
CLA-27		485.2	485.0	431	567	61430	0.133
CLA-28		431.2	431.0	430	561	54642	0.154
CLA-29		421.2	421.1	428	557	46303	0.163
CLA-31		455.2	454.9	431	562	32388	0.118
CLA-32		487.2	486.9	431	560	56970	0.146
CLA-33		433.2	433.0	430	563	53236	0.148
CLA-35		435.1	434.9	431	562	48485	0.154
CLA-36		433.2	433.0	429	557	39952	0.161
CLA-37		437.3	437.1	427	554	17648	0.148

FIG. 1 (Cont.)

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Code	Structure	mass (calc)	mass (found)	Abs (nm)	Em (nm)	Ext Coeff	Quantum Yield (5μM)
CLA-38		431.2	431.0	431	562	52461	0.150
CLA-41		467.1	466.9	431	563	56533	0.131
CLA-42		415.2	415.0	430	562	59103	0.140
CLA-44		423.3	423.1	428	556	45382	0.139
CLA-45		466.1	465.9	432	550	58861	0.018
CLA-46		480.1	479.9	431	561	56824	0.039
CLA-47		491.1	490.9	431	555	27200	0.027
CLA-49		392.2	392.0	433	569	47806	0.054
CLA-50		521.1	520.9	431	563	50279	0.118
CLA-51		453.1	452.9	431	563	16970	0.111

FIG. 1 (Cont.)

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Chalcone Library List

Code	Structure	mass (calc)	mass (found)	Abs (nm)	Em (nm)	Ext Coeff	Quantum Yield (5μM)
CLA-52		465.2	464.9	430	562	59830	0.132
CLA-53		527.1	526.8	431	564	71176	0.159
CLA-54		431.2	431.0	430	559	74036	0.146
CLA-55		473.2	473.0	430	561	73212	0.130
CLA-57		551.1	550.7	432	568	78885	0.091
CLA-58		457.2	457.0	429	561	51103	0.141
CLA-59		509.1	508.9	430	539	42133	0.054
CLA-61		407.2	407.0	429	553	57697	0.174
CLA-62		471.1	470.9	432	564	62061	0.127
CLA-64		419.2	418.9	430	565	21091	0.166

FIG. 1 (Cont.)

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Chalcone Library List

Code	Structure	mass (calc)	mass (found)	Abs (nm)	Em (nm)	Ext Coeff	Quantum Yield (5 μ M)
CLA-65		419.2	419.0	431	565	60655	0.136
CLA-66		467.2	466.9	431	567	67006	0.138
CLA-68		453.1	452.9	431	566	69721	0.128
CLA-69		437.2	436.9	431	564	49455	0.129
CLA-70		448.2	447.9	431	565	62061	0.133
CLA-71		429.2	429.0	429	557	51248	0.135
CLA-72		445.2	445.0	429	561	61673	0.142
CLA-73		480.1	479.8	432	540	67830	0.008
CLA-74		487.2	486.9	431	560	57261	0.050
CLA-75		487.1	486.8	431	564	26521	0.119

FIG. 1 (Cont.)

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Chalcone Library List

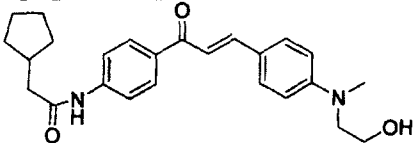
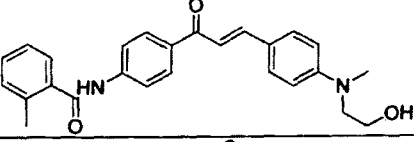
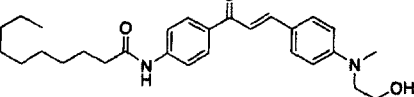
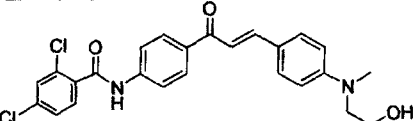
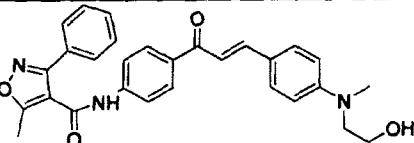
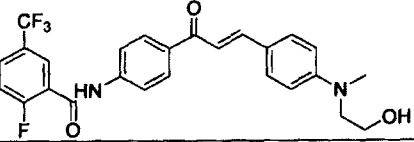
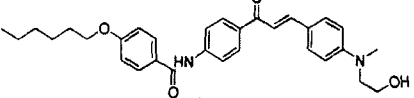
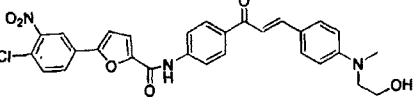
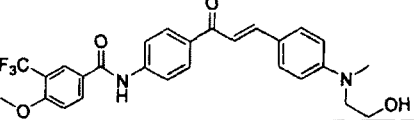
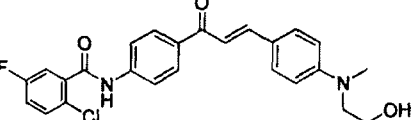
Code	Structure	mass (calc)	mass (found)	Abs (nm)	Em (nm)	Ext Coeff	Quantum Yield (5μM)
CLA-76		407.2	407.0	429	556	55127	0.159
CLA-77		415.2	415.0	430	562	87273	0.136
CLA-78		451.3	451.0	427	555	61770	0.127
CLA-79		469.1	468.9	431	564	88097	0.117
CLA-80		482.2	482.0	431	561	84024	0.120
CLA-81		487.2	486.9	431	563	85915	0.078
CLA-82		501.3	501.0	429	561	89503	0.155
CLA-83		546.1	545.8	430	545	82667	0.020
CLA-84		499.2	498.9	431	563	88291	0.138
CLA-85		453.1	452.9	429	565	16000	0.137

FIG. 1 (Cont.)

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Chalcone Library List

Code	Structure	mass (calc)	mass (found)	Abs (nm)	Em (nm)	Ext Coeff	Quantum Yield (5μM)
CLA-86		445.2	445.0	430	562	66861	0.125
CLA-87		453.1	452.9	432	566	87418	0.107
CLA-88		521.1	520.8	433	563	92170	0.043
CLA-90		487.2	486.9	432	565	95952	0.102
CLA-91		433.2	433.0	432	566	92170	0.116
CLA-92		419.2	418.9	431	564	117285	0.121
CLA-94		541.3	541.2	429	563	56145	0.134
CLA-95		512.2	511.9	432	549	160242	0.016
CLA-96		433.2	433.0	431	562	119127	0.135
CLA-97		487.2	486.9	432	565	56679	0.126

FIG. 1 (Cont.)

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Chalcone Library List

Code	Structure	mass (calc)	mass (found)	Abs (nm)	Em (nm)	Ext Coeff	Quantum Yield (5μM)
CLA-98		485.3	485.0	428	562	115345	0.120
CLA-99		487.2	486.9	431	565	81067	0.107
CLA-100		495.2	495.0	430	563	83879	0.148
CLA-102		451.2	451.0	431	564	78255	0.135
CLA-103		491.1	490.9	432	570	38642	0.110
CLA-104		425.2	425.0	429	559	36945	0.179
CLA-105		435.1	434.9	431	565	52800	0.163
CLA-106		397.2	397.0	427	558	17115	0.193
CLA-107		429.2	429.0	429	562	55661	0.183
CLA-108		551.1	550.8	432	568	45042	0.125

FIG. 1 (Cont.)

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Chalcone Library List

Code	Structure	mass (calc)	mass (found)	Abs (nm)	Em (nm)	Ext Coeff	Quantum Yield (5μM)
CLA-109		471.1	470.9	432	568	49697	0.117
CLA-110		527.3	527.0	428	560	40679	0.129
CLA-111		415.2	415.0	430	561	53867	0.167
CLA-112		459.2	458.9	430	563	54594	0.161
CLA-114		467.1	466.9	431	563	54691	0.155
CLA-115		469.1	468.9	431	563	55758	0.076
CLA-116		546.1	545.9	432	544	139588	0.006
CLA-117		436.1	435.9	431	565	45091	0.132
CLA-119		512.2	511.9	431	547	60994	0.015
CLA-120		403.2	402.9	431	542	35782	0.026

FIG. 1 (Cont.)

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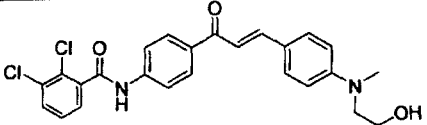
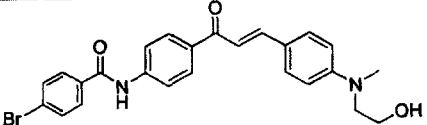
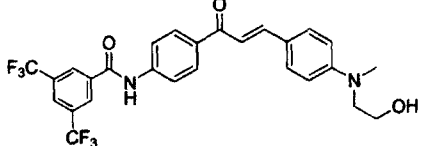
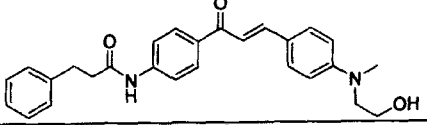
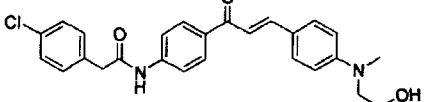
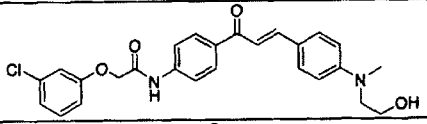
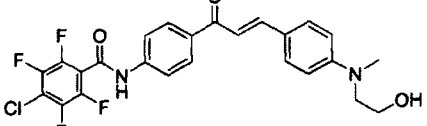
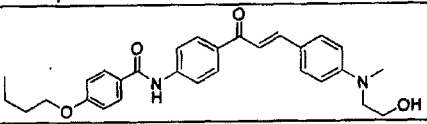
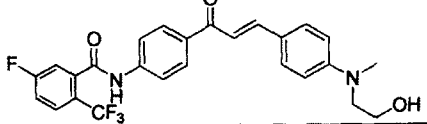
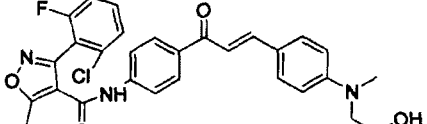
Code	Structure	mass (calc)	mass (found)	Abs (nm)	Em (nm)	Ext Coeff	Quantum Yield (5μM)
CLA-121		469.1	468.9	431	565	62061	0.129
CLA-122		479.1	478.9	431	564	59782	0.127
CLA-123		537.2	536.9	432	559	59539	0.023
CLA-124		429.2	429.0	428	556	55564	0.163
CLA-127		449.2	448.9	428	557	33503	0.168
CLA-128		465.2	464.9	430	559	64048	0.153
CLA-129		507.1	506.8	432	564	34085	0.052
CLA-130		473.2	473.0	429	560	55321	0.201
CLA-131		487.2	486.9	431	563	51539	0.153
CLA-132		534.2	534.0	427	553	49309	0.150

FIG. 1 (Cont.)

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Code	Structure	mass (calc)	mass (found)	Abs (nm)	Em (nm)	Ext Coeff	Quantum Yield (5μM)
CLA-134		477.2	477.0	439	582	129891	0.159
CLA-136		546.1	545.8	429	543	29139	0.029
CLA-137		469.1	469.0	425	563	18764	0.119
CLA-138		423.3	423.0	428	552	43539	0.203
CLA-140		443.2	443.0	428	560	41406	0.202
CLA-142		453.1	452.9	431	563	57164	0.165
CLA-143		487.2	486.9	431	545	44315	0.032
CLA-144		479.1	478.9	430	560	50473	0.187
CLA-145		471.3	471.0	429	562	44606	0.177
CLA-146		527.1	526.8	429	561	38158	0.178

FIG. 1 (Cont.)

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Chalcone Library List

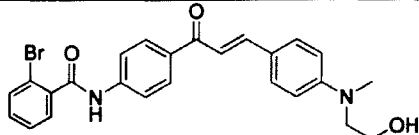
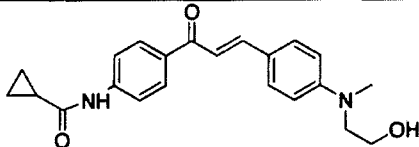
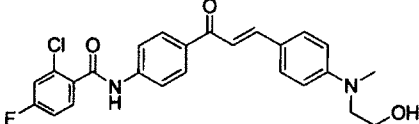
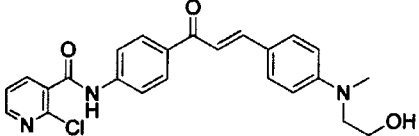
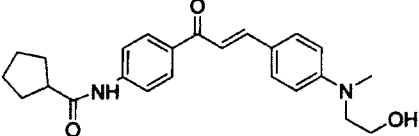
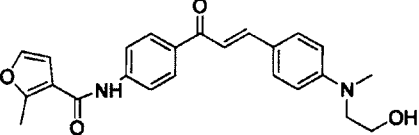
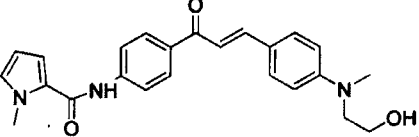
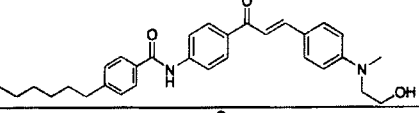
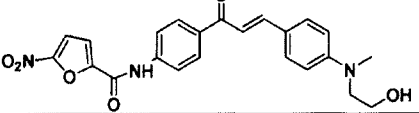
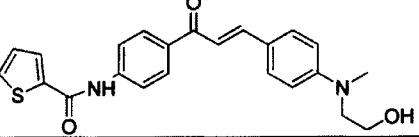
Code	Structure	mass (calc)	mass (found)	Abs (nm)	Em (nm)	Ext Coeff	Quantum Yield (5μM)
CLA-147		479.1	478.8	430	562	52945	0.141
CLA-148		365.2	365.0	426	557	25309	0.177
CLA-150		453.1	452.9	431	563	52315	0.157
CLA-152		436.1	437.1	429	563	22109	0.171
CLA-153		393.2	394.2	426	553	26230	0.220
CLA-155		405.2	406.2	426	557	21333	0.179
CLA-156		404.2	404.0	428	556	38691	0.213
CLA-158		499.3	499.0	426	559	36461	0.182
CLA-159		436.1	436.0	429	555	45091	0.106
CLA-161		407.1	406.9	429	563	39321	0.141

FIG. 1 (Cont.)

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Chalcone Library List

Code	Structure	mass (calc)	mass (found)	Abs (nm)	Em (nm)	Ext Coeff	Quantum Yield (5μM)
CLA-164		469.2	468.9	431	565	58909	0.099
CLA-165		491.2	491.0	430	566	58327	0.136
CLA-166		455.2	454.9	433	565	58036	0.118
CLA-167		435.1	434.9	431	564	54933	0.147
CLA-169		379.2	379.0	428	557	43345	0.178
CLA-170		401.2	401.0	430	563	49261	0.175
CLA-171		410.2	410.0	425	537	70158	0.159
CLA-172		427.2	427.0	430	563	62448	0.041
CLA-173		459.2	459.0	429	558	72339	0.163
CLA-174		421.2	420.9	430	559	52121	0.137

FIG. 1 (Cont.)

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Chalcone Library List

Code	Structure	mass (calc)	mass (found)	Abs (nm)	Em (nm)	Ext Coeff	Quantum Yield (5μM)
CLA-175		535.1	534.8	430	567	71612	0.079
CLA-176		450.2	449.9	432	568	67539	0.114
CLA-177		509.0	508.7	429	548	22497	0.022
CLA-178		406.2	406.0	431	569	42764	0.131
CLA-179		405.2	405.0	431	565	81600	0.147
CLA-180		365.2	365.0	429	562	47127	0.180
CLA-181		485.2	484.9	432	565	78788	0.168
CLA-182		535.1	534.8	431	564	60364	0.107
CLA-183		473.1	474.9	428	562	57552	0.177
CLA-185		479.3	479.0	414	552	18327	0.117

FIG. 1 (Cont.)

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Chalcone Library List

Code	Structure	mass (calc)	mass (found)	Abs (nm)	Em (nm)	Ext Coeff	Quantum Yield (5μM)
CLA-186		527.1	526.8	431	569	50861	0.128
CLA-188		381.2	381.0	429	561	81988	0.125
CLA-190		409.2	409.0	428	561	66909	0.138
CLA-192		475.2	475.0	429	560	74036	0.158
CLA-193		473.2	473.0	432	565	52121	0.128
CLA-194		515.3	515.0	425	563	49358	0.131
CLA-195		391.2	391.0	430	566	56921	0.180
CLA-197		402.2	402.0	428	563	41600	0.172
CLA-203		463.3	463.0	423	557	32048	0.180
CLA-409		395.2	395.0	428	559	55467	0.153

FIG. 1 (Cont.)

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Chalcone Library List

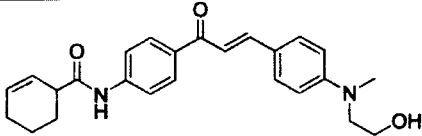
Code	Structure	mass (calc)	mass (found)	Abs (nm)	Em (nm)	Ext Coeff	Quantum Yield (5μM)
CLA-410		405.2	405.0	428	562	56533	0.138

FIG. 1 (Cont.)

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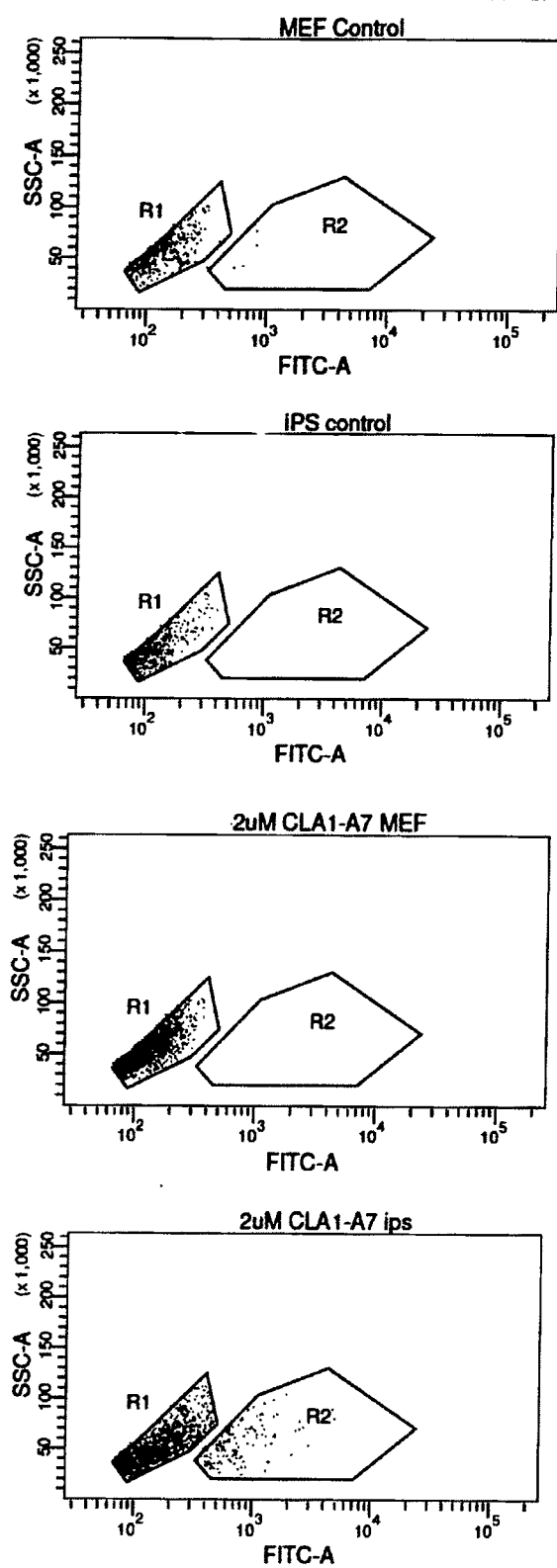


FIG. 2

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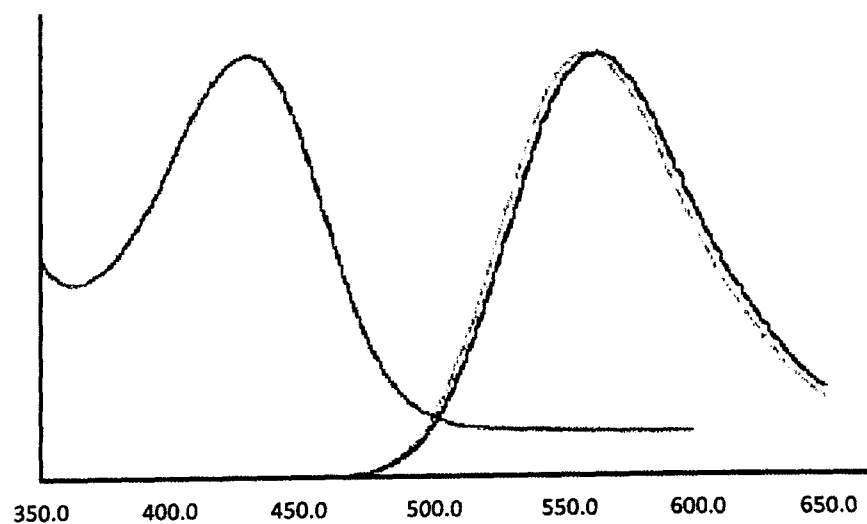


FIG. 3

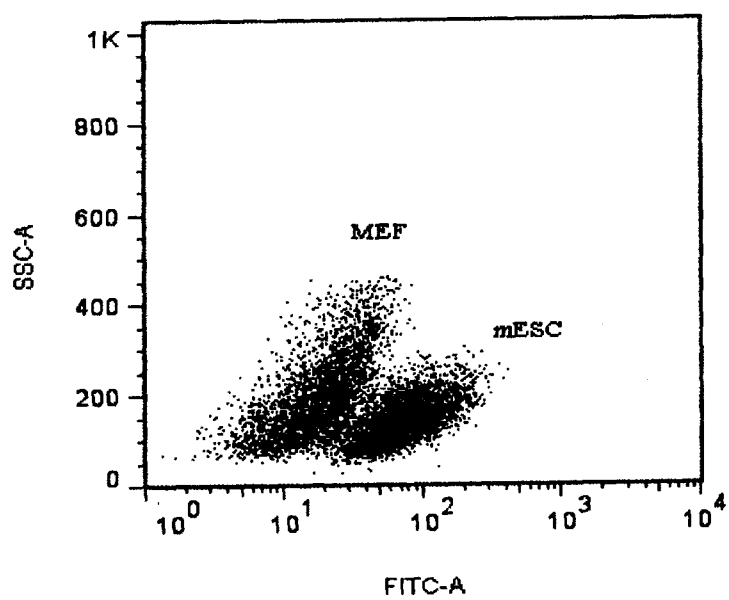


FIG. 4