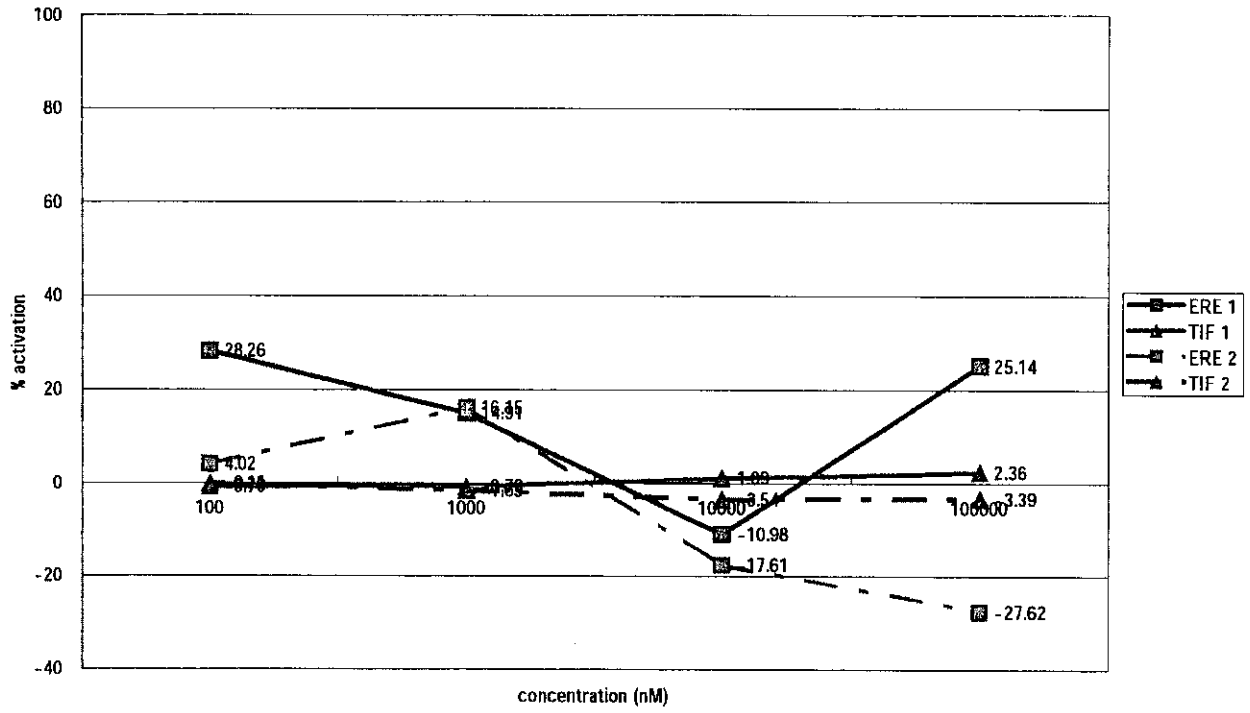
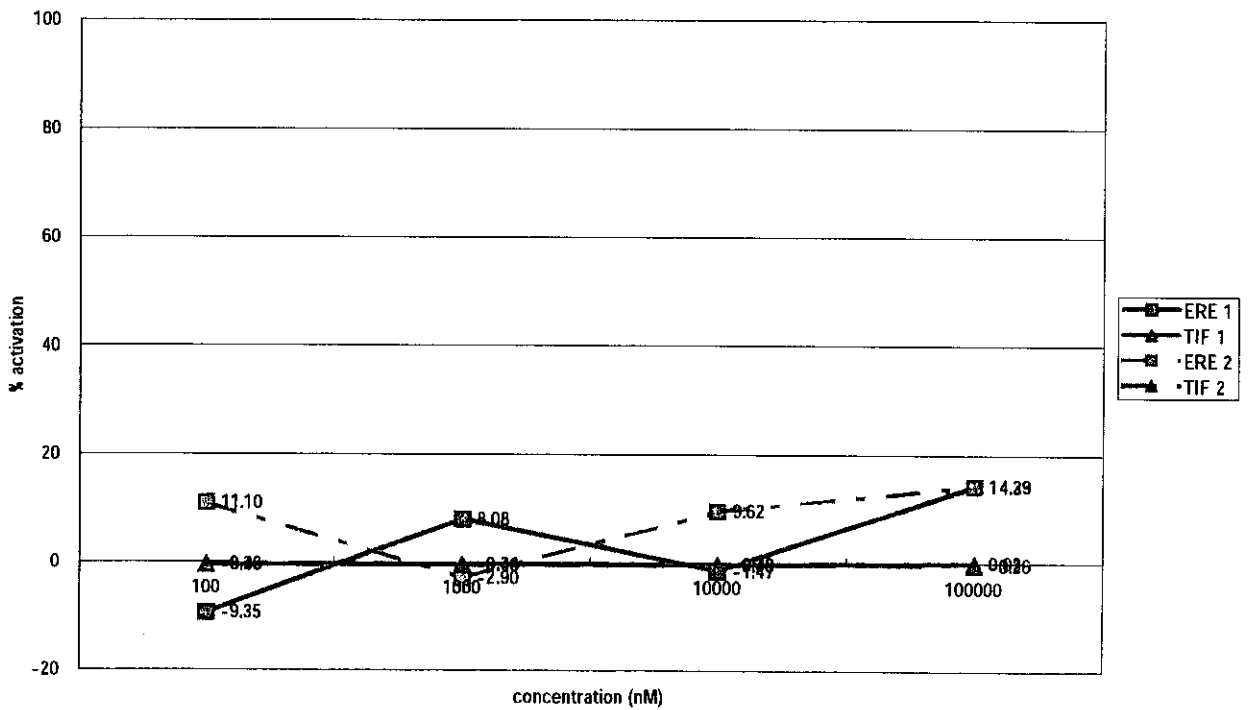


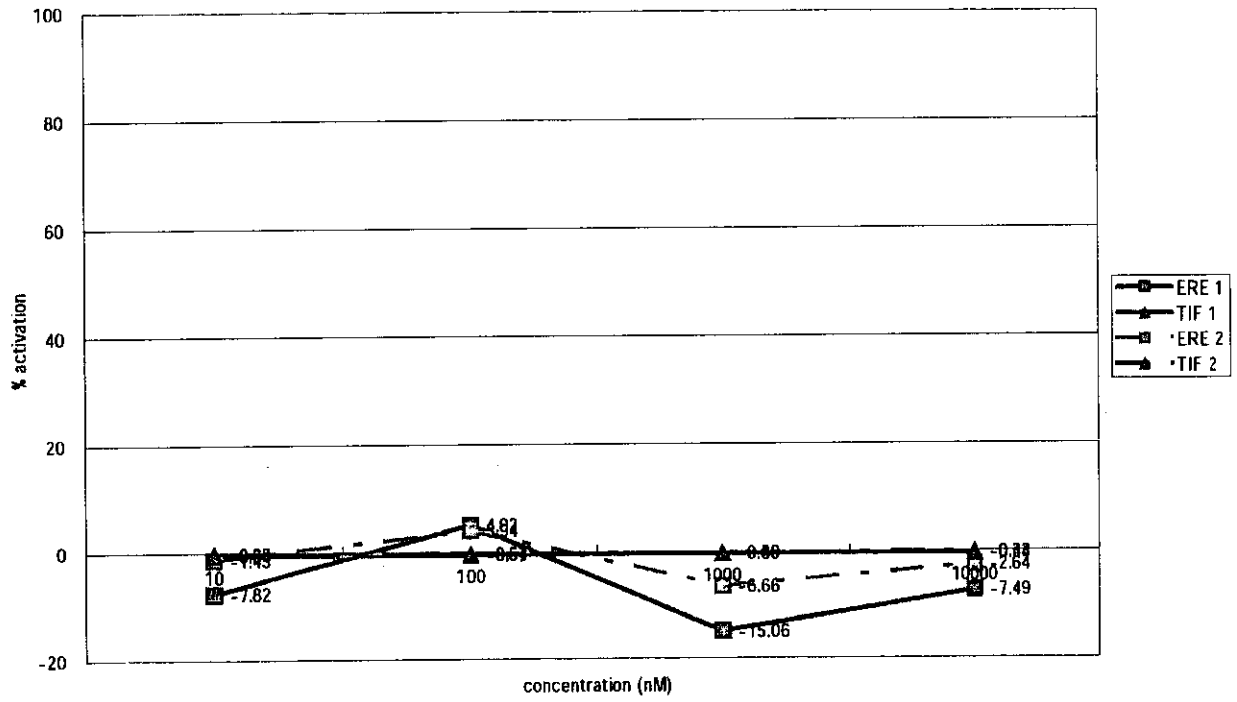
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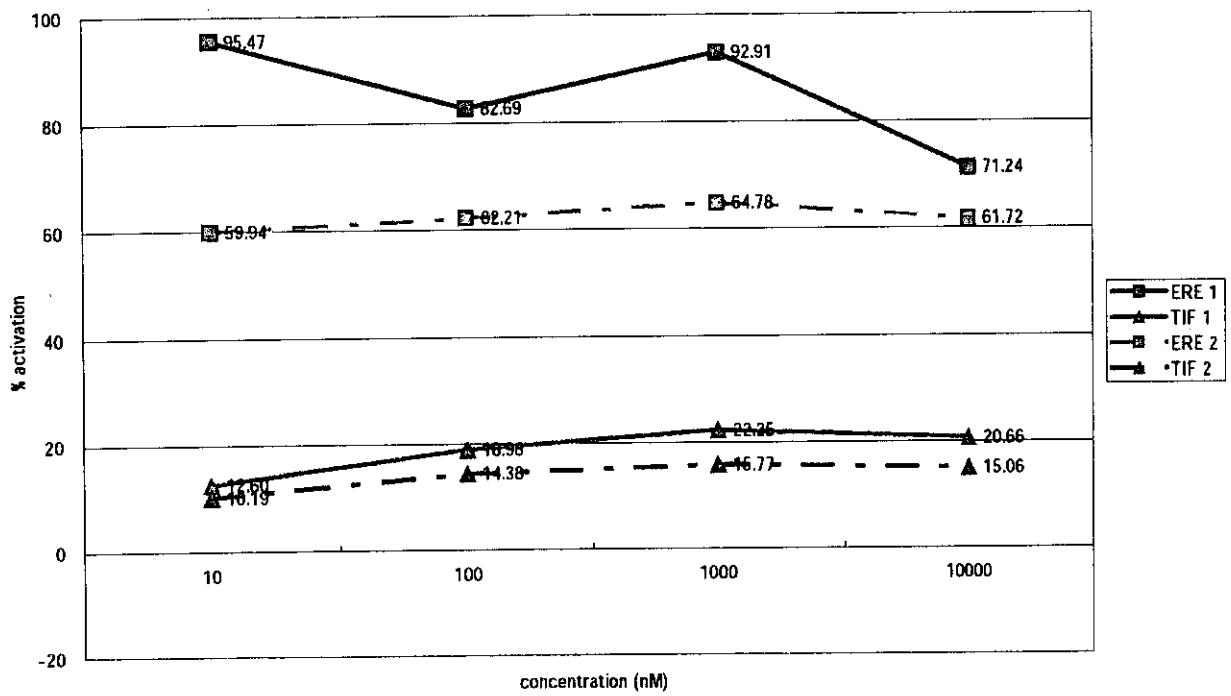
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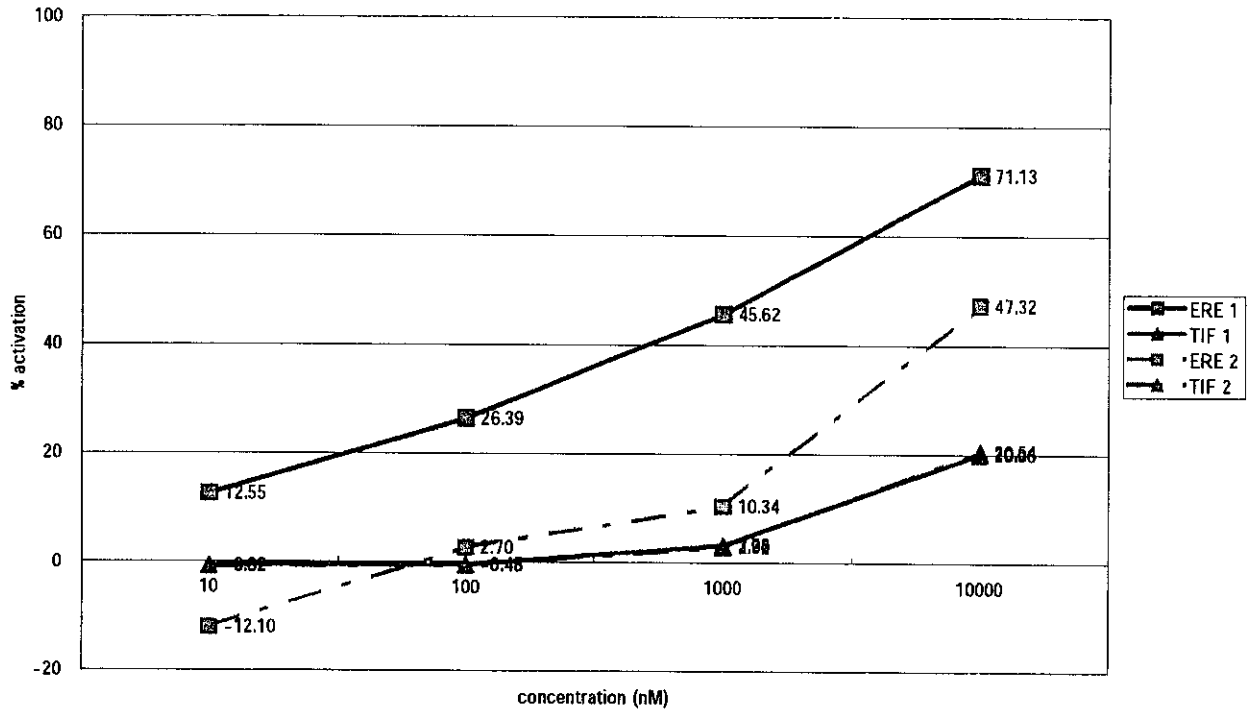
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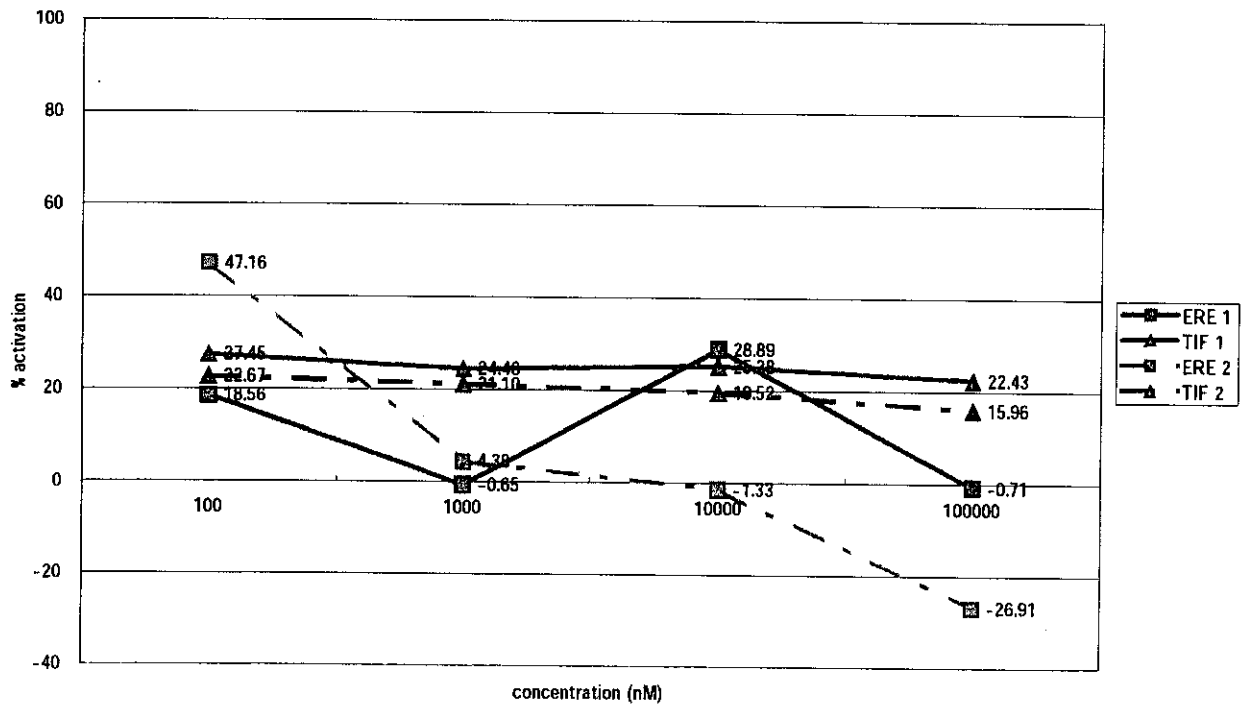
ER674



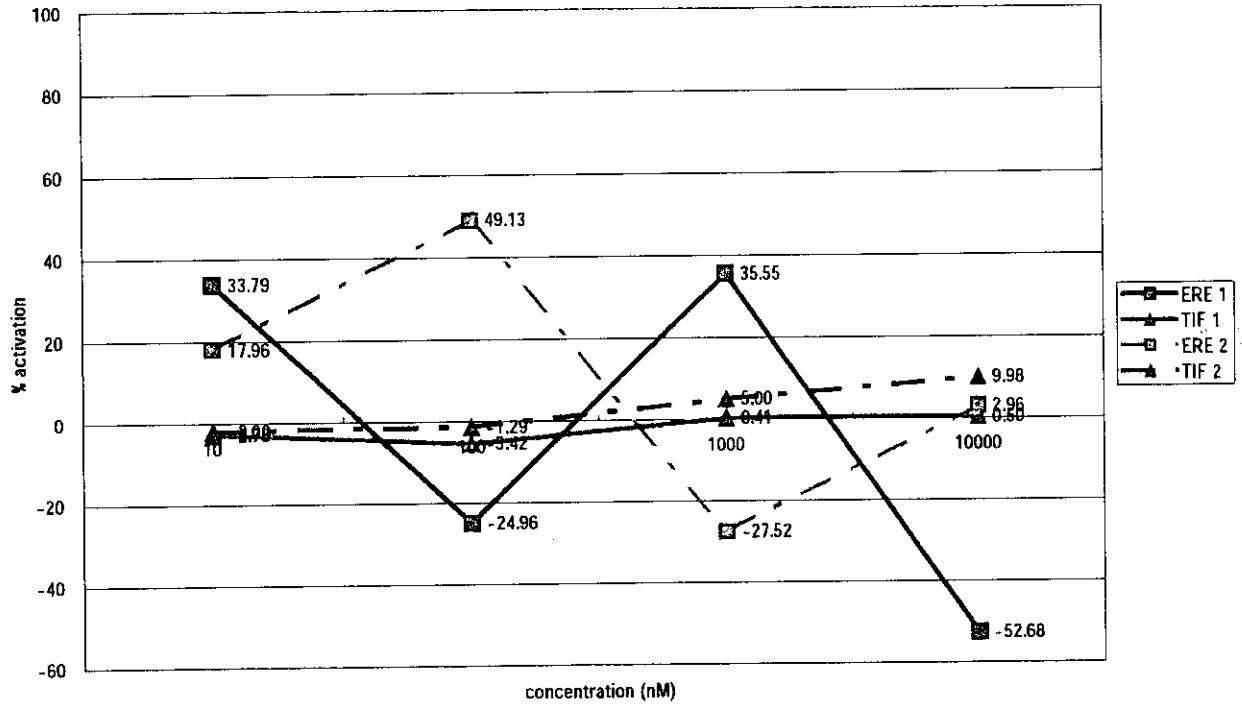
ER675



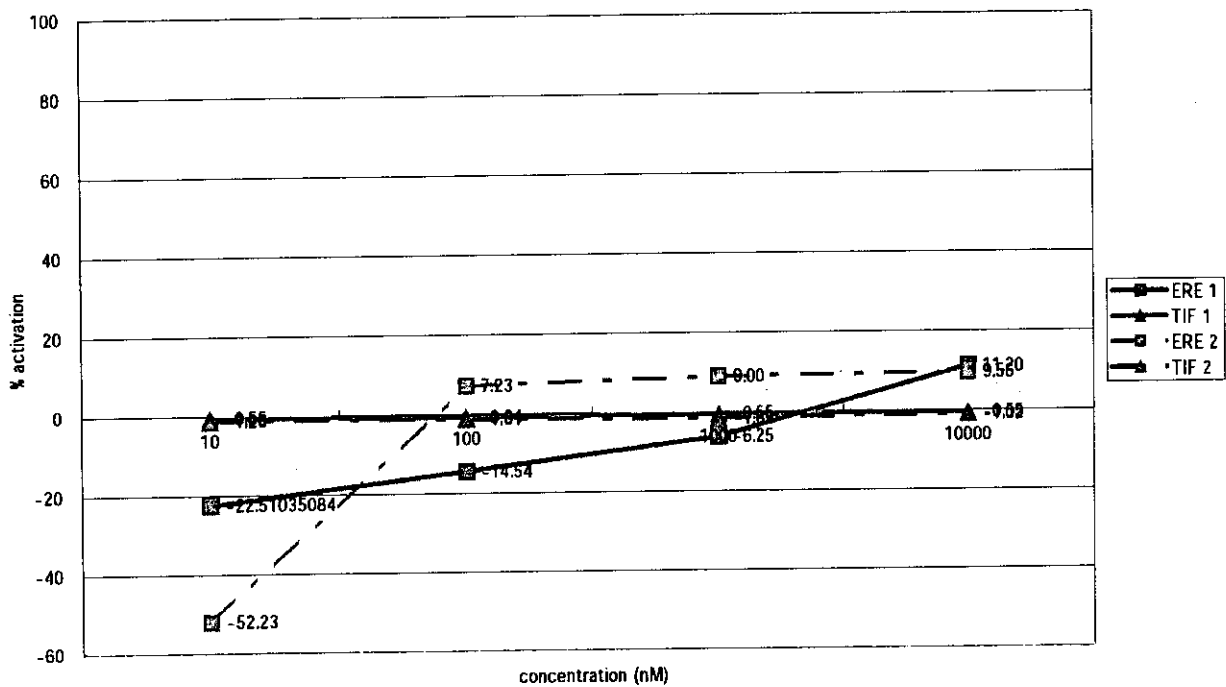
ER676



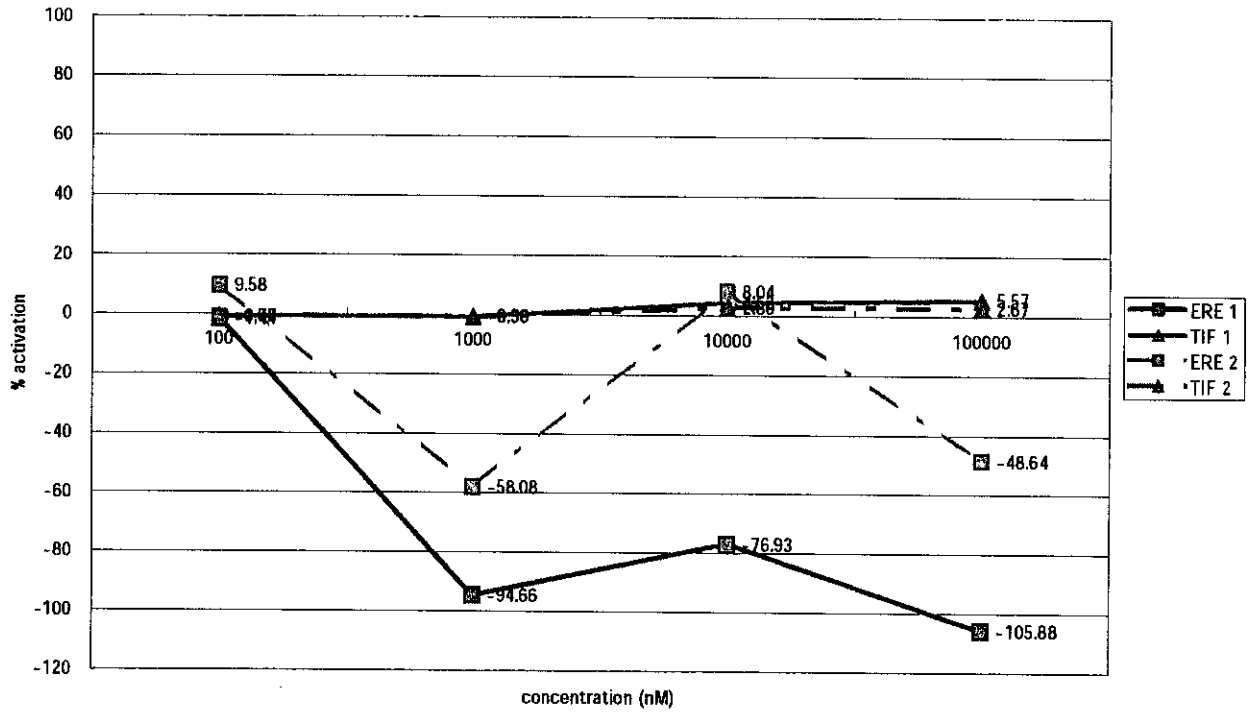
ER677



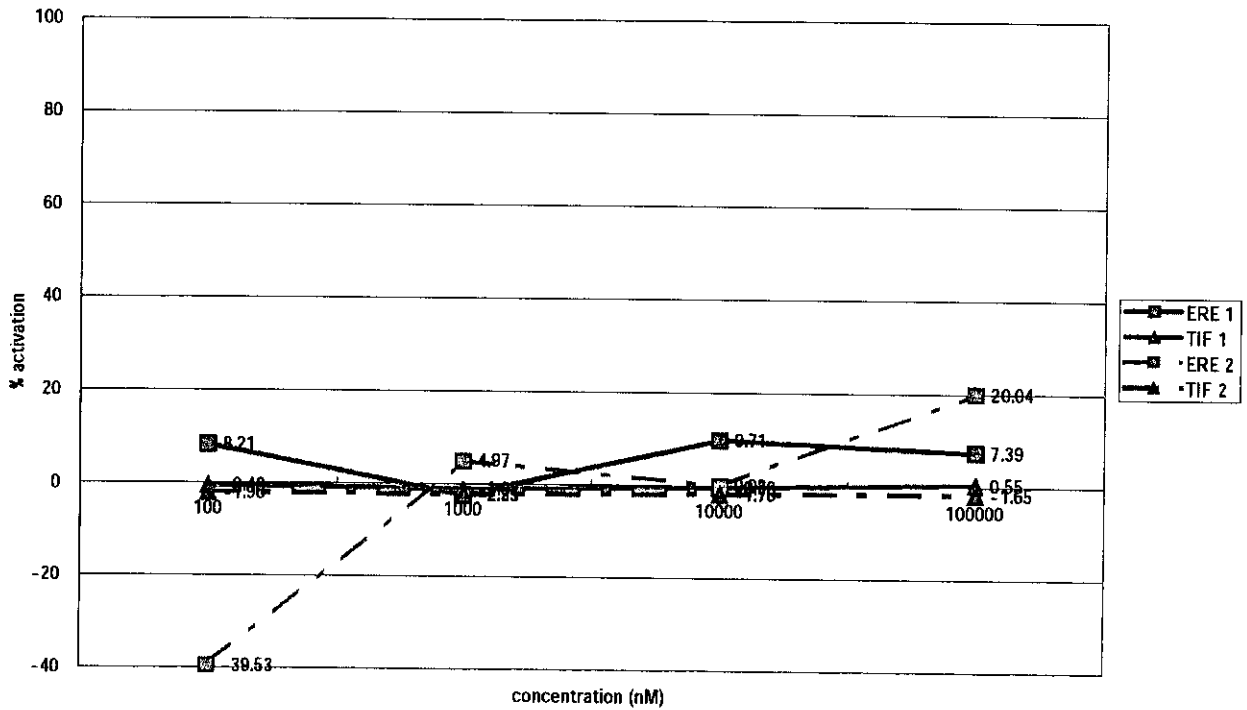
ER678



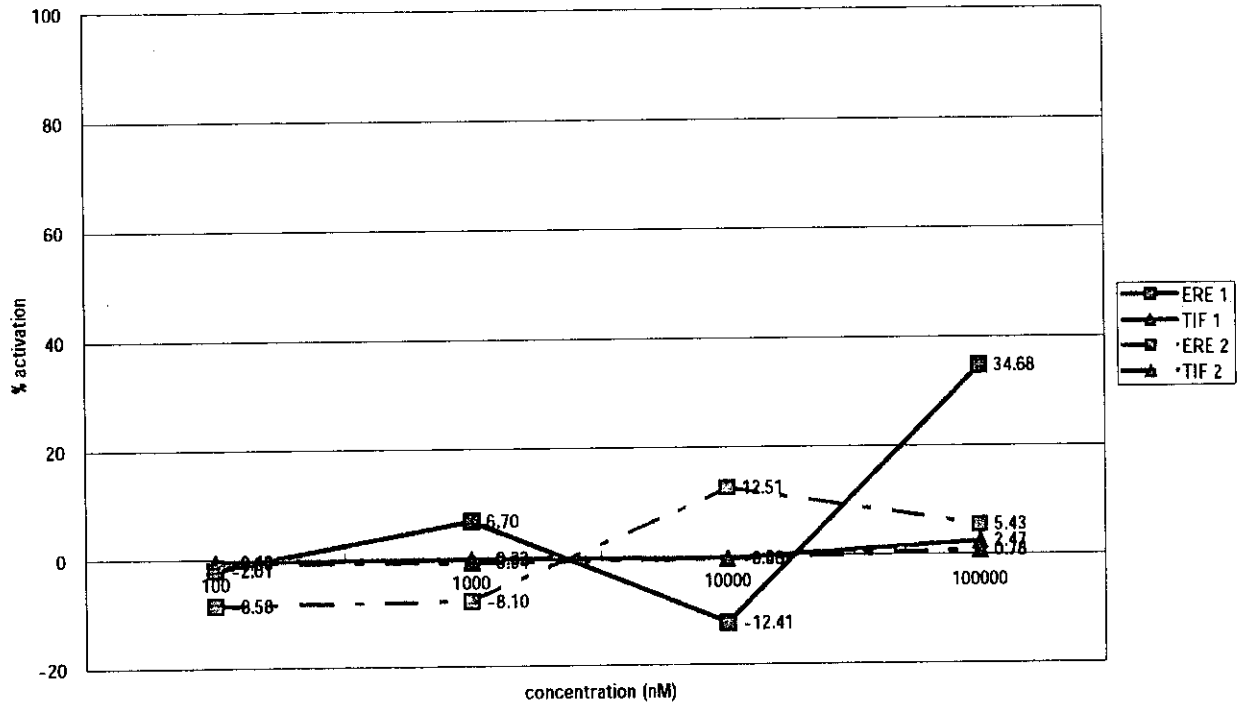
ER679



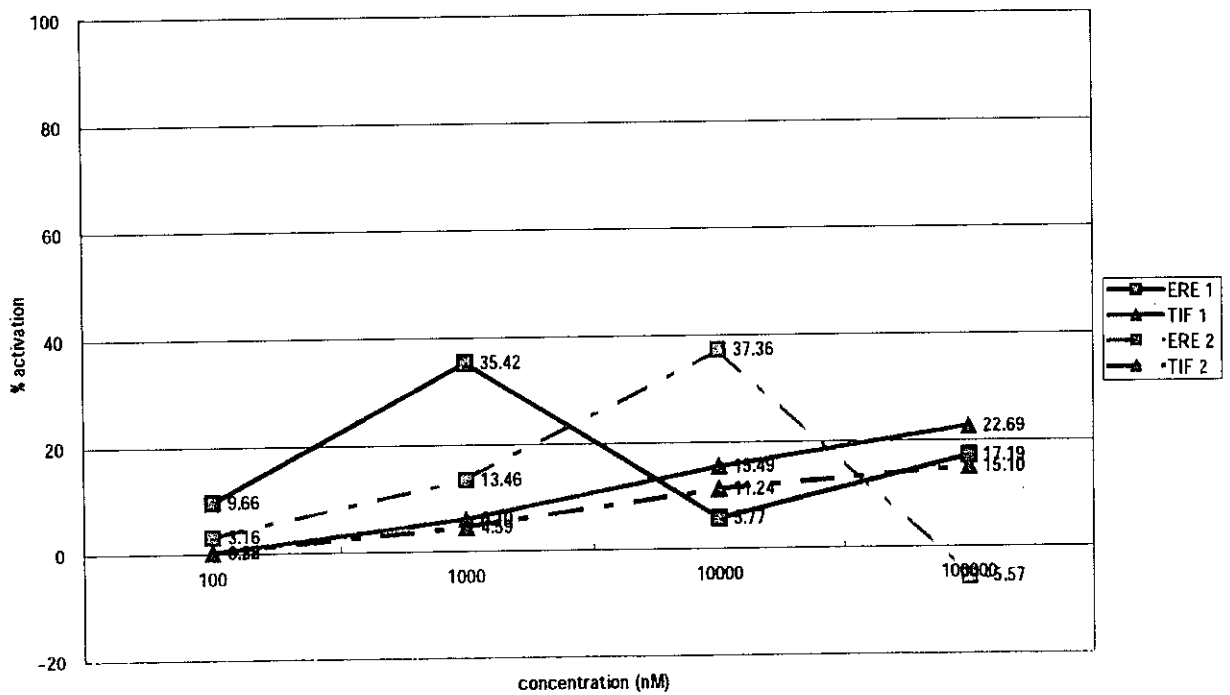
ER680



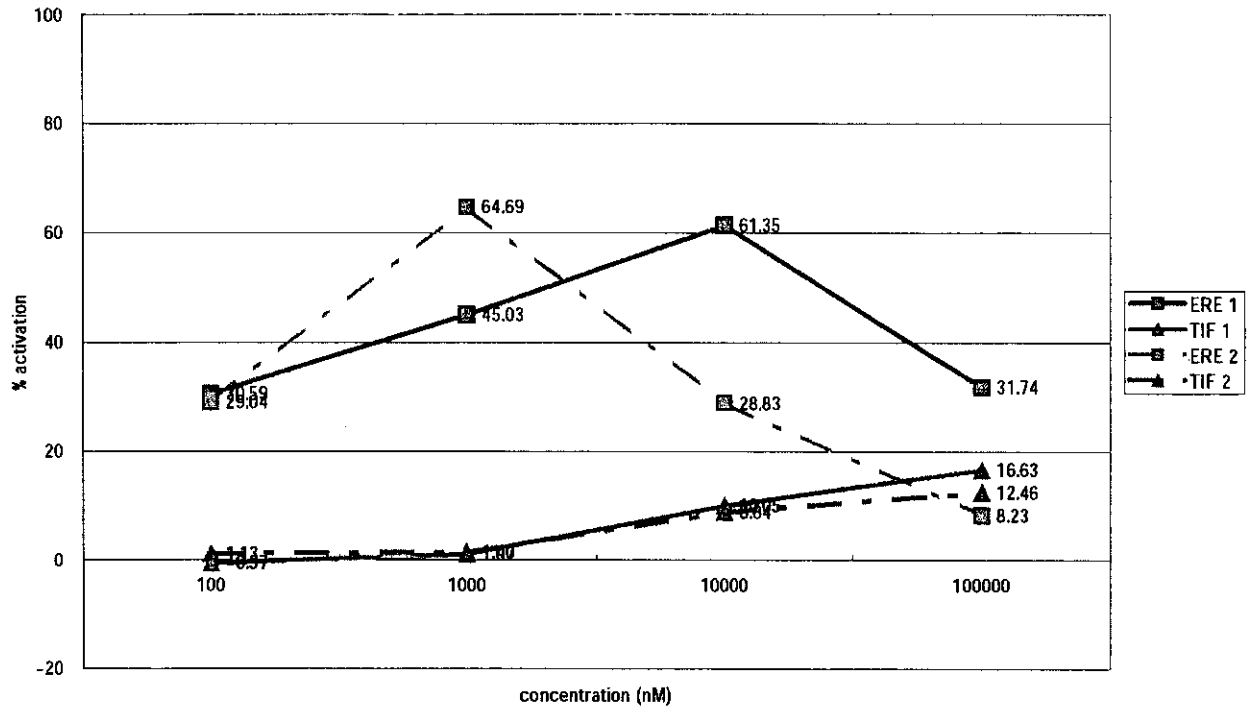
ER681



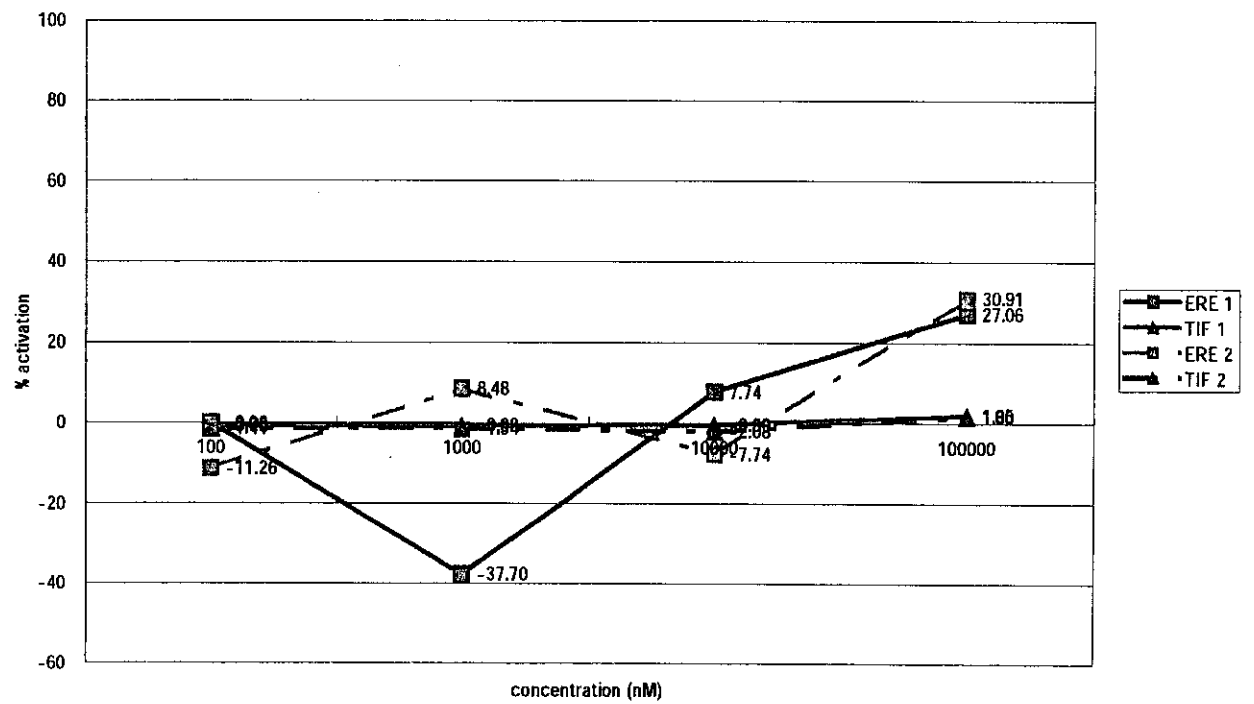
ER664



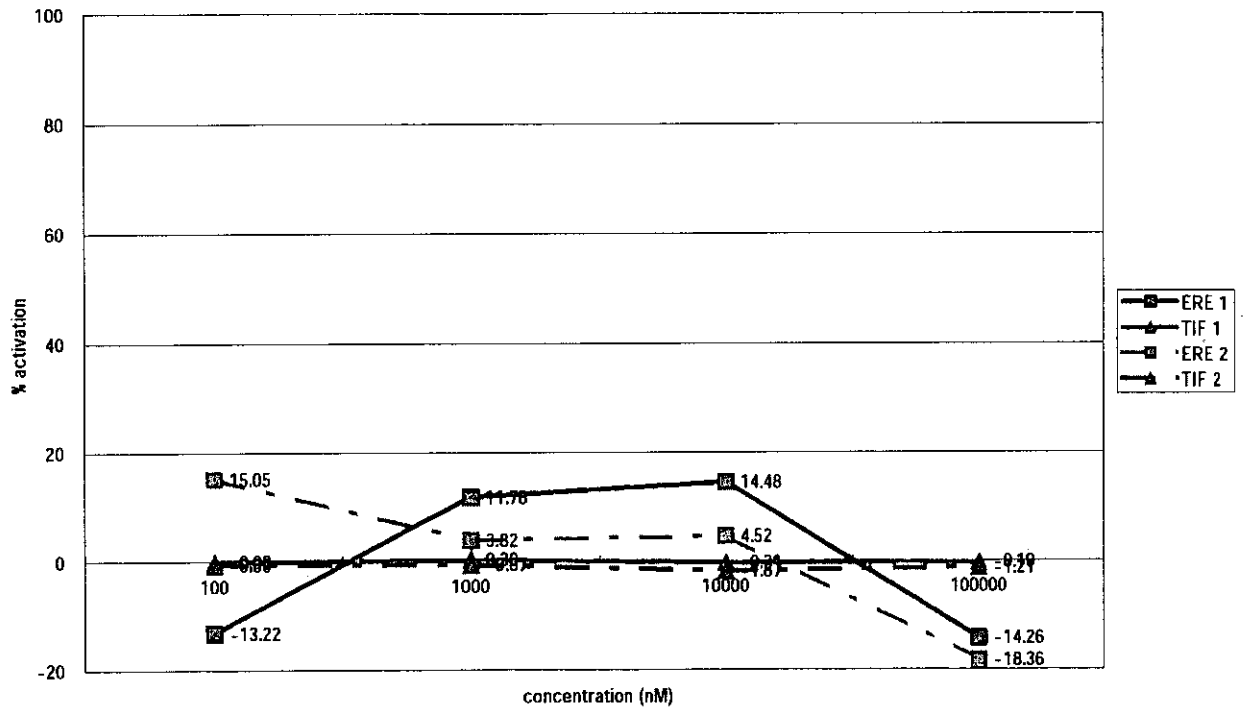
ER663



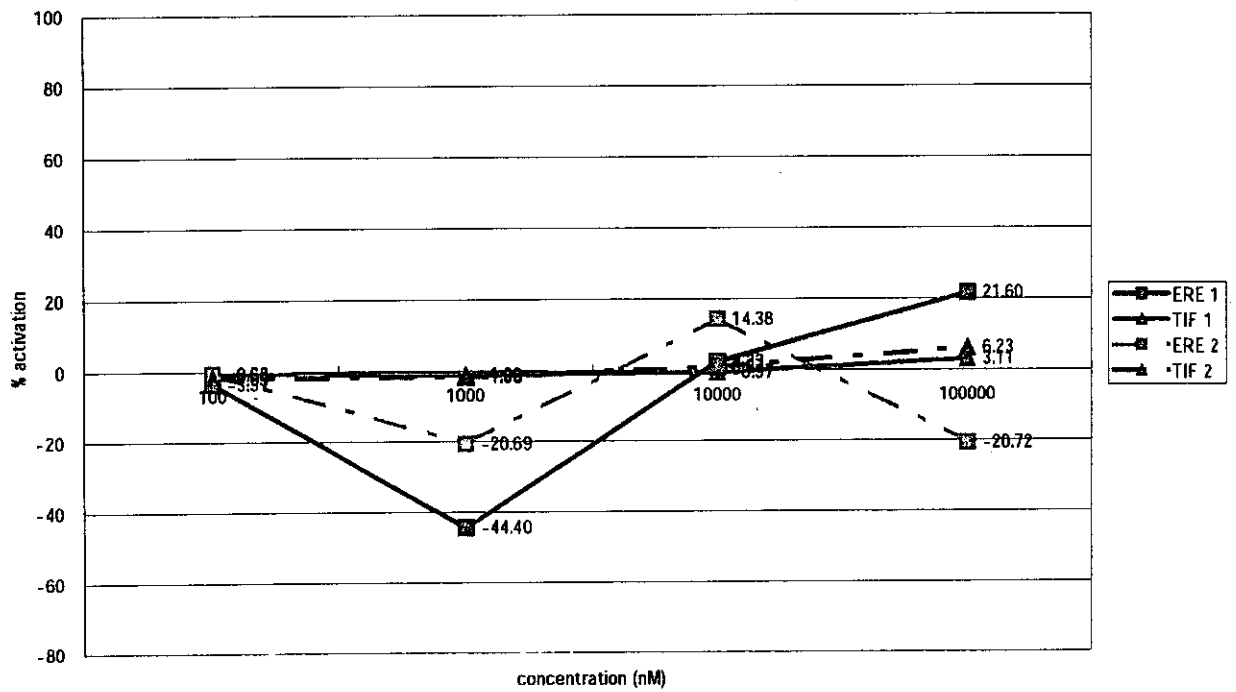
ER662



ER683

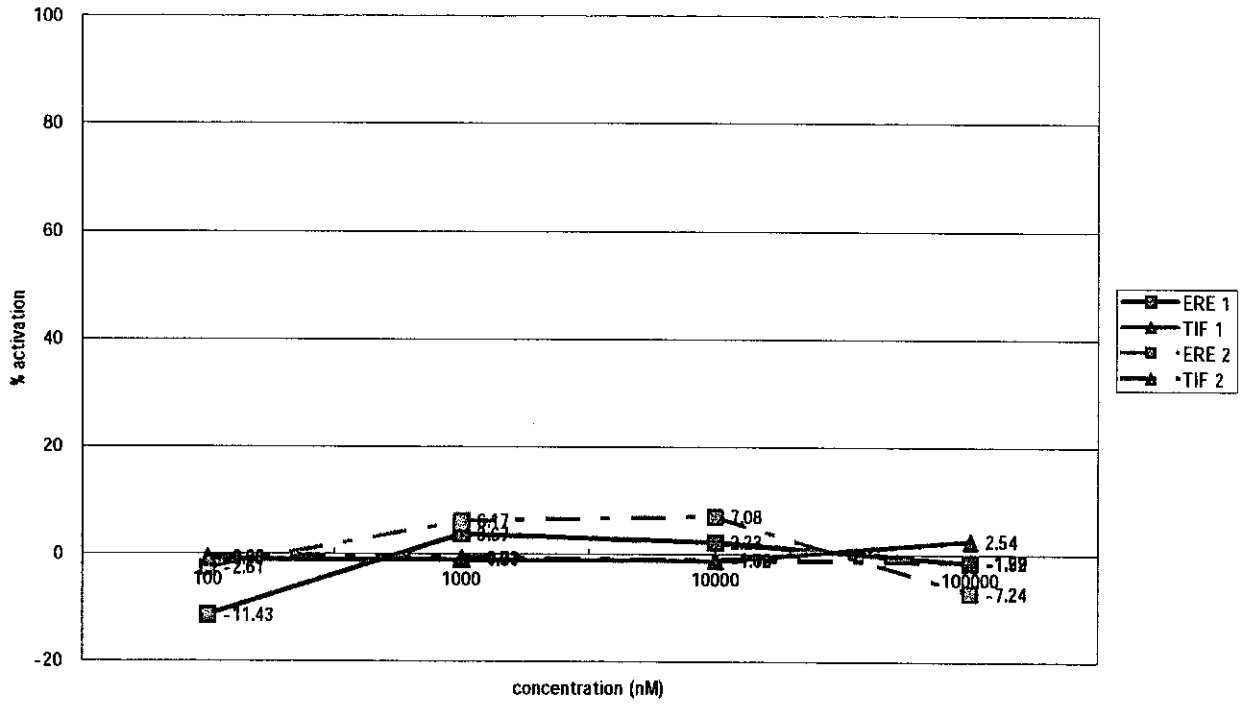


ER684

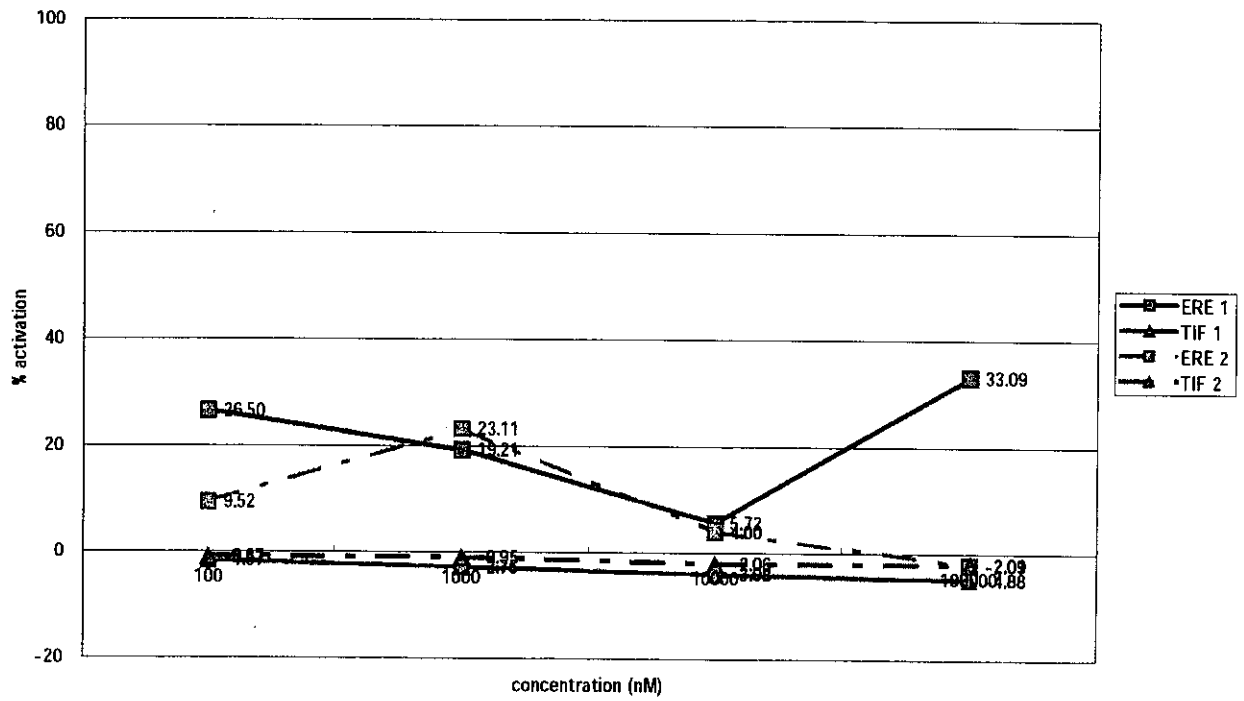




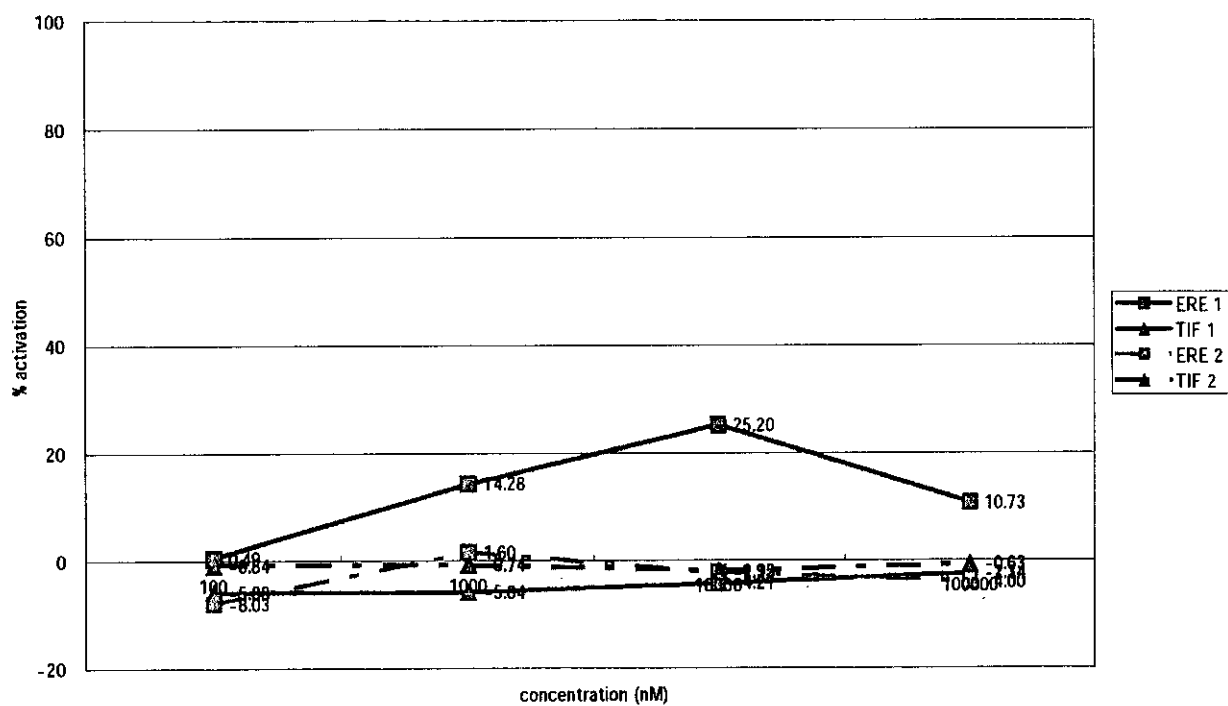
ER685



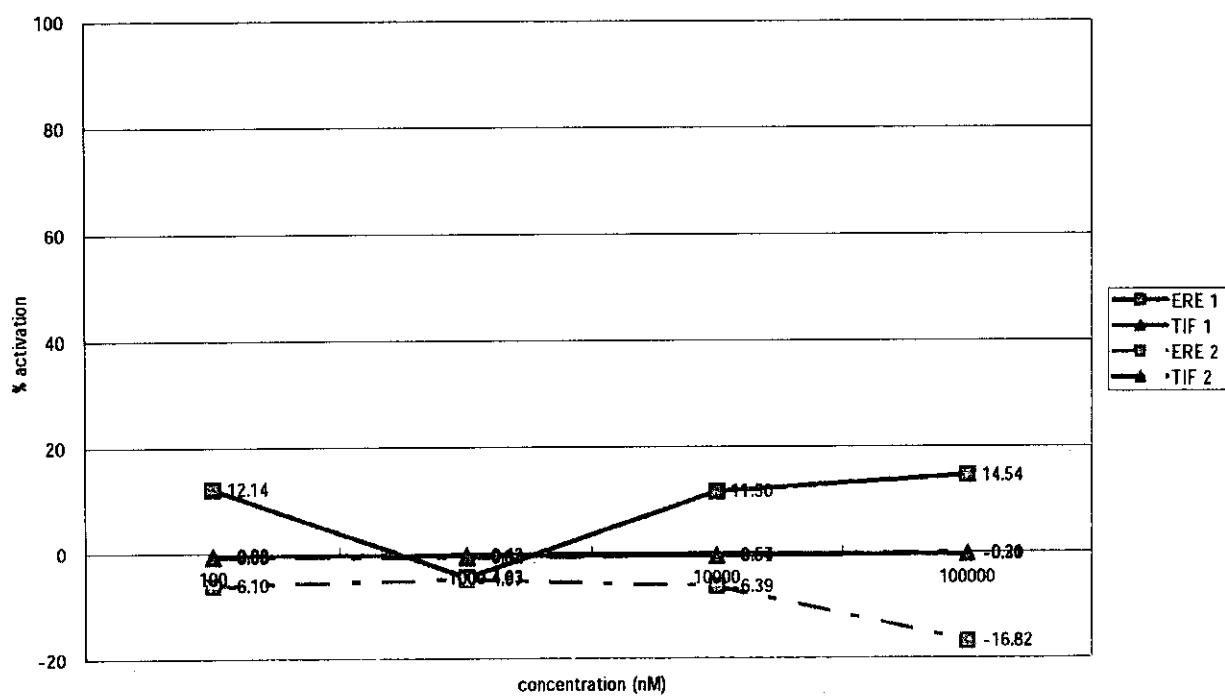
ER686



ER687



ER688



% activation

ERE 1					TIF 1					ERE 2					TIF 2										
ID	10	100	1,000	10,000	100,000	ID	10	100	1,000	10,000	100,000	ID	10	100	1,000	10,000	100,000	ID	10	100	1,000	10,000	100,000		
ER532	0203		58.85	11.07	11.75	85.23	ER532	-1.07	0.17	13.53	36.79	ER532	0211		15.86	3.49	8.07	51.01	ER532	0.13		0.35	0.17	5.58	28.83
ER533	0214	-1.87	-11.54	-10.47	11.04	ER533	-2.16	-2.26	0.18	8.19	ER533	0214	-4.17	-11.12	-7.47	20.38	ER533	0.13		-0.66	-0.16	3.05			
ER534	0223		18.93	-5.48	13.42	-7.44	ER534	3.05	2.28	1.87	-0.02	ER534	0214		2.32	13.44	-4.27	-5.89	ER534			-2.09	-2.13	-1.90	-2.88
ER535	0311		6.59	34.67	38.67	-19.59	ER535	0.78	6.54	25.23	23.02	ER535	0312		-11.65	52.15	52.93	40.39	ER535			0.98	11.86	34.92	41.71
ER536	0311		0.54	11.25	5.54	22.80	ER536	0.37	0.05	-0.06	2.75	ER536	0306		3.55	7.64	3.18	10.89	ER536			0.48	-0.48	-0.33	2.68
ER537	0311		-3.52	-4.32	0.68	7.38	ER537	-0.21	-0.08	-0.21	0.22	ER537	0316		-33.41	12.51	-21.73	-0.26	ER537			-0.63	-1.18	-5.80	-2.80
ER538	0304		-3.29	-0.43	-1.49	0.73	ER538	-0.57	-0.64	-0.72	-0.79	ER538	0311		-11.89	-10.53	-13.71	0.56	ER538			-0.32	-0.33	-0.67	-0.50
ER539	0204		-4.71	5.48	-8.48	-14.54	ER539	-2.98	-2.18	-2.38	-2.77	ER539	0303		7.04	13.87	1.65	5.43	ER539			-0.26	-0.27	-0.19	0.25
ER540	0223		-9.26	-3.03	3.67	25.76	ER540	-2.53	0.42	0.15	0.21	ER540	0309		-13.49	-13.23	-6.77	26.72	ER540			-0.40	-0.48	-0.33	2.89
ER541	0205		6.80	5.42	4.86	0.00	ER541	-1.75	-1.75	-2.98	-1.84	ER541	0316		8.86	8.71	13.05	3.68	ER541			-3.28	-3.95	-3.41	-1.21
ER542	0306		-0.45	1.45	20.99	32.17	ER542	-0.73	-0.33	1.46	4.32	ER542	0316		-0.37	-8.17	6.09	2.39	ER542			-0.68	-0.56	0.65	2.95
ER543	0311		-3.52	19.46	35.70	46.66	ER543	2.29	11.78	21.56	25.86	ER543	0312		19.75	20.46	14.37	15.36	ER543			4.38	14.39	23.04	27.08
ER544	0303		1.02	10.19	18.36	48.73	ER544	-0.26	0.33	3.96	11.06	ER544	0314		-10.37	0.06	16.23	42.10	ER544			-0.28	-0.64	2.60	7.12
ER545	0206		-11.48	-9.34	14.71	16.62	ER545	-0.57	0.83	5.73	8.05	ER545	0319		23.86	-12.91	24.21	1.09	ER545			-0.09	1.93	11.19	14.19
ER546	0224		17.17	83.59	102.34	79.15	ER546	1.27	22.27	53.48	57.42	ER546	0319		42.57	48.95	69.06	61.42	ER546			10.01	28.15	48.22	51.14
ER547	0224		-12.14	-5.53	18.92	37.63	ER547	-1.85	-0.59	2.47	-1.45	ER547	0312		-7.42	8.19	27.12	38.94	ER547			-1.14	-0.80	-0.20	3.75
ER548	0217		4.47	15.41	37.44	68.91	ER548	-0.40	0.07	3.43	9.02	ER548	0312		14.05	13.48	33.45	17.25	ER548			0.01	-0.15	2.03	7.36
ER549	0217		-4.80	-13.77	-1.78	23.86	ER549	0.65	-0.70	0.83	2.57	ER549	0303		2.20	-2.83	13.55	22.16	ER549			-0.36	-0.44	0.12	3.32
ER550	0309		-0.32	2.42	0.68	4.44	ER550	-0.40	-0.48	-0.47	0.19	ER550	0217		-7.97	1.17	-5.96	3.30	ER550			-0.24	-0.37	-0.09	0.11
ER551	0309		-3.08	11.99	18.05	40.98	ER551	0.79	1.53	4.65	8.24	ER551	0227		2.84	22.14	48.10	57.79	ER551			-5.02	-1.81	3.39	10.74
ER552	0209		5.23	6.69	-0.30	9.70	ER552	0.63	1.38	3.16	7.44	ER552	0227		3.31	-7.86	4.28	67.21	ER552			16.80	-14.01	-14.47	4.44
ER553	0217		11.64	7.25	-19.06	-14.31	ER553	-0.68	-1.05	-2.88	3.08	ER553	0227		2.62	16.99	-0.13	###	ER553			-5.19	-7.97	-9.94	-12.20

% activation

No.10

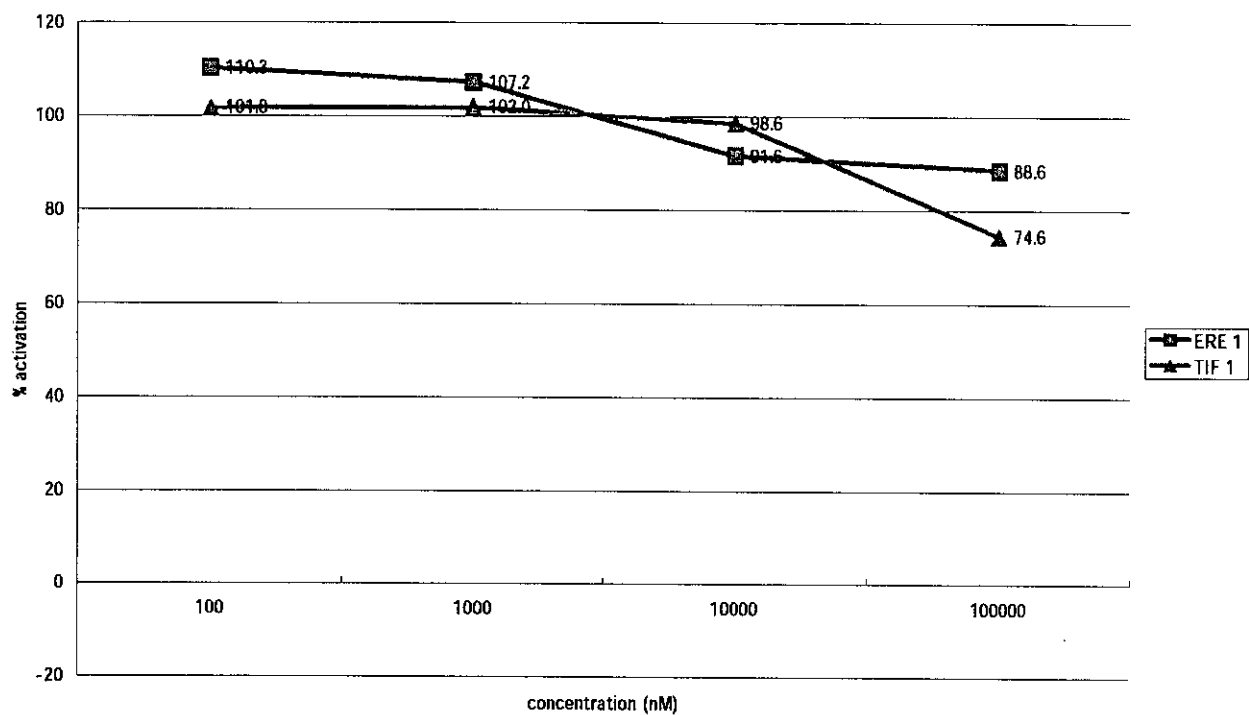
ERE 1					TIF 1					ERE 2					TIF 2										
ID	10	100	1,000	10,000	100,000	ID	10	100	1,000	10,000	100,000	ID	10	100	1,000	10,000	100,000	ID	10	100	1,000	10,000	100,000		
ER562	0212		5.41	1.48	-1.69	-12.16	ER562	-0.03	3.81	8.00	9.03	ER562	0218		47.71	41.07	69.85	63.42	ER562			-0.18	0.83	6.64	9.59
ER563	0212		0.76	-12.99	-5.74	-11.91	ER563	-0.76	0.68	0.79	-0.70	ER563	0303		-4.31	15.42	-6.84	-5.80	ER563			-2.05	-0.54	-0.93	-1.01
ER564	0210		-3.59	-12.25	-4.86	15.63	ER564	-1.55	0.41	7.49	11.69	ER564	0227		19.62	12.65	25.15	46.89	ER564			-8.27	-6.73	-0.90	7.01
ER565	0309	-16.10	4.60	1.89	43.38	ER565	-3.00	-0.05	1.02	6.09	ER565	0306	-6.04	-3.02	18.73	26.74	ER565	-0.85		-0.75	1.50	3.61			
ER566	0306		5.20	7.69	14.45	47.34	ER566	-0.12	-0.33	0.42	8.98	ER566	0227		-19.98	-1.53	7.25	24.28	ER566			-5.60	-6.14	-6.50	8.80
ER567	0210		-3.32	-2.93	-7.22	-6.71	ER567	-1.31	-0.26	-0.11	1.87	ER567	0219		-3.85	14.51	-11.66	9.44	ER567			-0.70	-0.84	-0.21	1.13
ER568	0304		-6.47	4.94	6.75	35.68	ER568	-0.32	-0.17	1.27	6.16	ER568	0305		2.14	-7.29	-1.20	29.70	ER568			-0.35	-0.41	0.86	5.53
ER569	0220		7.41	-7.20	-15.53	47.69	ER569	0.23	0.40	1.47	14.76	ER569	0307		0.68	-8.49	17.99	59.00	ER569			-0.28	-0.22	2.10	16.05
ER570	0219	-14.51	-21.46	-4.15	35.77	ER570	0.09	-0.04	0.43	3.22	ER570	0220	1.51	3.28	26.93	49.44	ER570	-1.12		-0.71	-0.30	3.42			
ER571	0319		9.64	-9.23	-7.45	-39.18	ER571	0.39	0.26	0.25	0.90	ER571	0220		67.37	-3.44	11.05	25.79	ER571			32.54	-0.32	1.56	2.61
ER572	0319	27.77	-2.51	-4.51	4.70	ER572	-0.57	-0.42	1.13	7.35	ER572	0220	-6.84	11.72	11.38	19.55	ER572	0.19		5.48	2.41	7.16			
ER573	0220		-5.06	-4.57	-3.64	14.61	ER573	-0.93	0.28	-0.60	2.06	ER573	0315	-13.37	-13.87	-1.18	-202.45	ER573	-0.85		-0.87	-0.74	-1.21		
ER574	0201	33.62	78.49	86.17	75.16	ER574	-0.22	-1.07	-1.51	-1.40	ER574	0308	11.23	65.57	77.78	86.54	ER574	-0.19		-0.50	-1.03	-0.61			
ER575	0301		4.50	6.80	2.86	20.69	ER575	-0.33	-0.45	-0.41	0.78	ER575	0304		1.08	-6.54	21.25	22.22	ER575			-0.44	-0.68	-0.23	0.77
ER576	0301	5.90	11.62	18.28	26.01	ER576	-0.27	-0.28	-0.33	-0.50	ER576	0304	-6.68	-1.91	17.05	13.21	ER576	-0.38		-0.66	-0.70	-0.53			
ER577	0301		-14.04	16.95	20.14	56.10	ER577	-0.28	0.18	3.26	6.85	ER577	0304		4.32	11.30	30.62	71.18	ER577			-0.31	0.36	4.62	9.55
ER578	0301		8.16	3.25	47.81	27.40	ER578	-0.24	0.45	4.27	5.00	ER578	0306		-0.30	6.30	22.13	39.15	ER578			-0.05	0.54	1.90	4.43
ER579	0301		0.65	-3.38	16.82	28.39	ER579	-0.32	-0.17	2.81	3.91	ER579	0304		7.41	4.18	37.07	9.58	ER579			0.00	0.66	5.00	4.65
ER580	0302		18.97	13.95	13.35	18.80	ER580	-0.60	-0.63	-0.26	5.37	ER580	0315		-16.14	30.61	24.11	-14.42	ER580			-0.57	-0.56	1.73	2.36
ER581	0302		14.03	2.99	15.41	25.01	ER581	-0.30	-0.33	1.83	3.08	ER581	0304		10.51	18.84	30.32	29.34	ER581			0.01	0.46	3.37	4.31
ER582	0302	-10.51	-3.82	-1.29	19.52	ER582	-0.28	-0.34	-0.17	0.98	ER582	0306	8.26	-0.24	9.53	32.23	ER582	-0.33		-0.36	-0.26	0.60			
ER583	0305		29.96	39.42	72.18	0.33	ER583	2.46	14.82	55.04	34.98	ER583	0308		16.67	25.44	54.80	-2.46	ER583			1.89	12.70	50.50	32.63
ER584	0302		11.69	14.22	12.12	3.13	ER584	-0.29	-0.05	0.10	0.22	ER584	0306		12.65	14.72	1.25	-6.10	ER584			-0.53	-0.35	-0.51	-0.01
ER585	0306	-0.21	-0.19	-42.87	41.02	ER585	-0.19	0.30	1.58	16.91	ER585	0316	8.47458	5.53	21.26	69.01	ER585	-0.044		0.18	6.39	27.27	</		

図6 競合試験

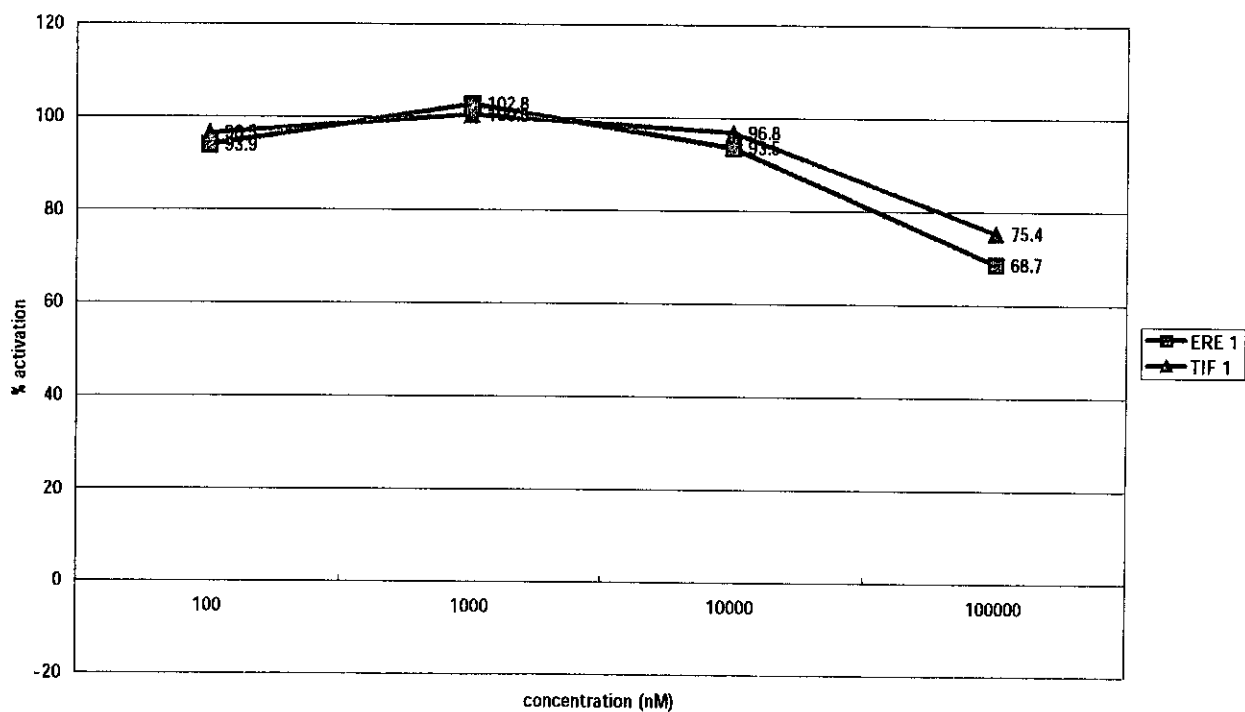
平成14年度の35化合物の競合試験  
EREアッセイとTIFアッセイの競合試験の結果を示す

化合物名	EREアッセイ	TIFアッセイ
0001	1.44	1.44
0002	1.56	1.56
0003	1.67	1.67
0004	1.79	1.79
0005	1.87	1.87
0006	1.95	1.95
0007	2.01	2.01
0008	2.07	2.07
0009	2.12	2.12
0010	2.17	2.17
0011	2.21	2.21
0012	2.25	2.25
0013	2.29	2.29
0014	2.33	2.33
0015	2.37	2.37
0016	2.41	2.41
0017	2.45	2.45
0018	2.49	2.49
0019	2.53	2.53
0020	2.57	2.57
0021	2.61	2.61
0022	2.65	2.65
0023	2.69	2.69
0024	2.73	2.73
0025	2.77	2.77
0026	2.81	2.81
0027	2.85	2.85
0028	2.89	2.89
0029	2.93	2.93
0030	2.97	2.97
0031	3.01	3.01
0032	3.05	3.05
0033	3.09	3.09
0034	3.13	3.13
0035	3.17	3.17
0036	3.21	3.21
0037	3.25	3.25
0038	3.29	3.29
0039	3.33	3.33
0040	3.37	3.37
0041	3.41	3.41
0042	3.45	3.45
0043	3.49	3.49
0044	3.53	3.53
0045	3.57	3.57
0046	3.61	3.61
0047	3.65	3.65
0048	3.69	3.69
0049	3.73	3.73
0050	3.77	3.77
0051	3.81	3.81
0052	3.85	3.85
0053	3.89	3.89
0054	3.93	3.93
0055	3.97	3.97
0056	4.01	4.01
0057	4.05	4.05
0058	4.09	4.09
0059	4.13	4.13
0060	4.17	4.17
0061	4.21	4.21
0062	4.25	4.25
0063	4.29	4.29
0064	4.33	4.33
0065	4.37	4.37
0066	4.41	4.41
0067	4.45	4.45
0068	4.49	4.49
0069	4.53	4.53
0070	4.57	4.57
0071	4.61	4.61
0072	4.65	4.65
0073	4.69	4.69
0074	4.73	4.73
0075	4.77	4.77
0076	4.81	4.81
0077	4.85	4.85
0078	4.89	4.89
0079	4.93	4.93
0080	4.97	4.97
0081	5.01	5.01
0082	5.05	5.05
0083	5.09	5.09
0084	5.13	5.13
0085	5.17	5.17
0086	5.21	5.21
0087	5.25	5.25
0088	5.29	5.29
0089	5.33	5.33
0090	5.37	5.37
0091	5.41	5.41
0092	5.45	5.45
0093	5.49	5.49
0094	5.53	5.53
0095	5.57	5.57
0096	5.61	5.61
0097	5.65	5.65
0098	5.69	5.69
0099	5.73	5.73
0100	5.77	5.77
0101	5.81	5.81
0102	5.85	5.85
0103	5.89	5.89
0104	5.93	5.93
0105	5.97	5.97
0106	6.01	6.01
0107	6.05	6.05
0108	6.09	6.09
0109	6.13	6.13
0110	6.17	6.17
0111	6.21	6.21
0112	6.25	6.25
0113	6.29	6.29
0114	6.33	6.33
0115	6.37	6.37
0116	6.41	6.41
0117	6.45	6.45
0118	6.49	6.49
0119	6.53	6.53
0120	6.57	6.57
0121	6.61	6.61
0122	6.65	6.65
0123	6.69	6.69
0124	6.73	6.73
0125	6.77	6.77
0126	6.81	6.81
0127	6.85	6.85
0128	6.89	6.89
0129	6.93	6.93
0130	6.97	6.97
0131	7.01	7.01
0132	7.05	7.05
0133	7.09	7.09
0134	7.13	7.13
0135	7.17	7.17
0136	7.21	7.21
0137	7.25	7.25
0138	7.29	7.29
0139	7.33	7.33
0140	7.37	7.37
0141	7.41	7.41
0142	7.45	7.45
0143	7.49	7.49
0144	7.53	7.53
0145	7.57	7.57
0146	7.61	7.61
0147	7.65	7.65
0148	7.69	7.69
0149	7.73	7.73
0150	7.77	7.77
0151	7.81	7.81
0152	7.85	7.85
0153	7.89	7.89
0154	7.93	7.93
0155	7.97	7.97
0156	8.01	8.01
0157	8.05	8.05
0158	8.09	8.09
0159	8.13	8.13
0160	8.17	8.17
0161	8.21	8.21
0162	8.25	8.25
0163	8.29	8.29
0164	8.33	8.33
0165	8.37	8.37
0166	8.41	8.41
0167	8.45	8.45
0168	8.49	8.49
0169	8.53	8.53
0170	8.57	8.57
0171	8.61	8.61
0172	8.65	8.65
0173	8.69	8.69
0174	8.73	8.73
0175	8.77	8.77
0176	8.81	8.81
0177	8.85	8.85
0178	8.89	8.89
0179	8.93	8.93
0180	8.97	8.97
0181	9.01	9.01
0182	9.05	9.05
0183	9.09	9.09
0184	9.13	9.13
0185	9.17	9.17
0186	9.21	9.21
0187	9.25	9.25
0188	9.29	9.29
0189	9.33	9.33
0190	9.37	9.37
0191	9.41	9.41
0192	9.45	9.45
0193	9.49	9.49
0194	9.53	9.53
0195	9.57	9.57
0196	9.61	9.61
0197	9.65	9.65
0198	9.69	9.69
0199	9.73	9.73
0200	9.77	9.77

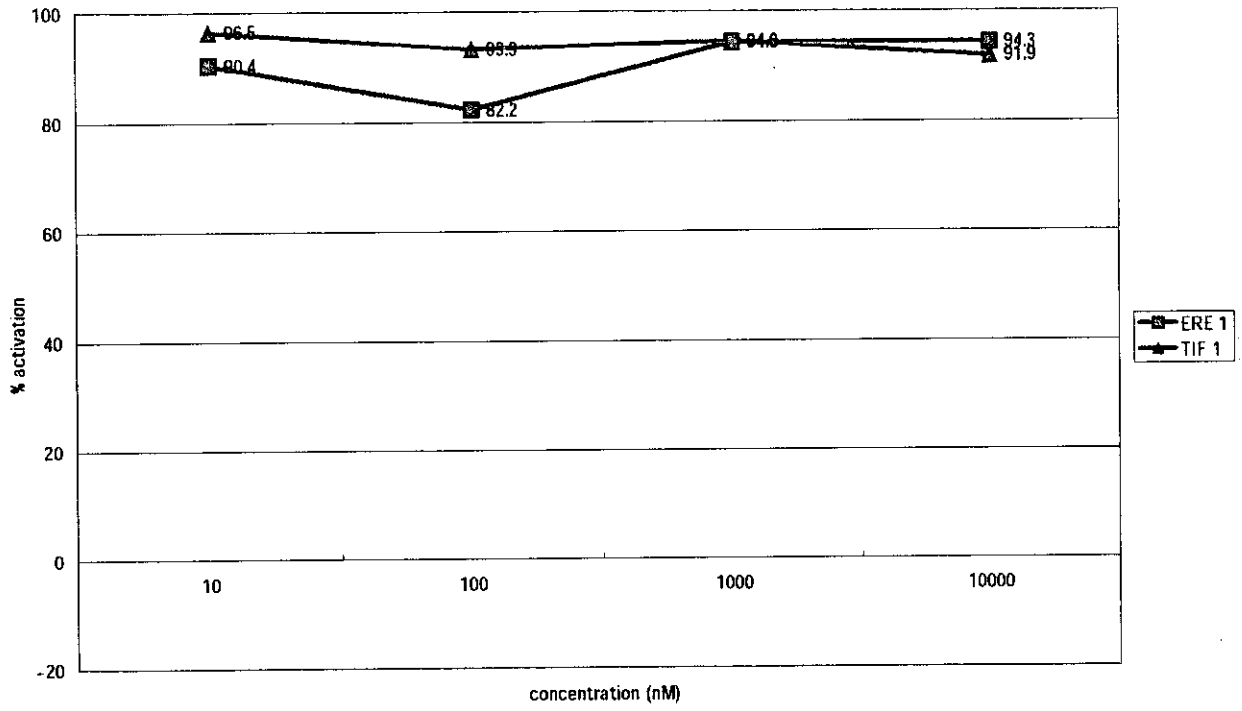
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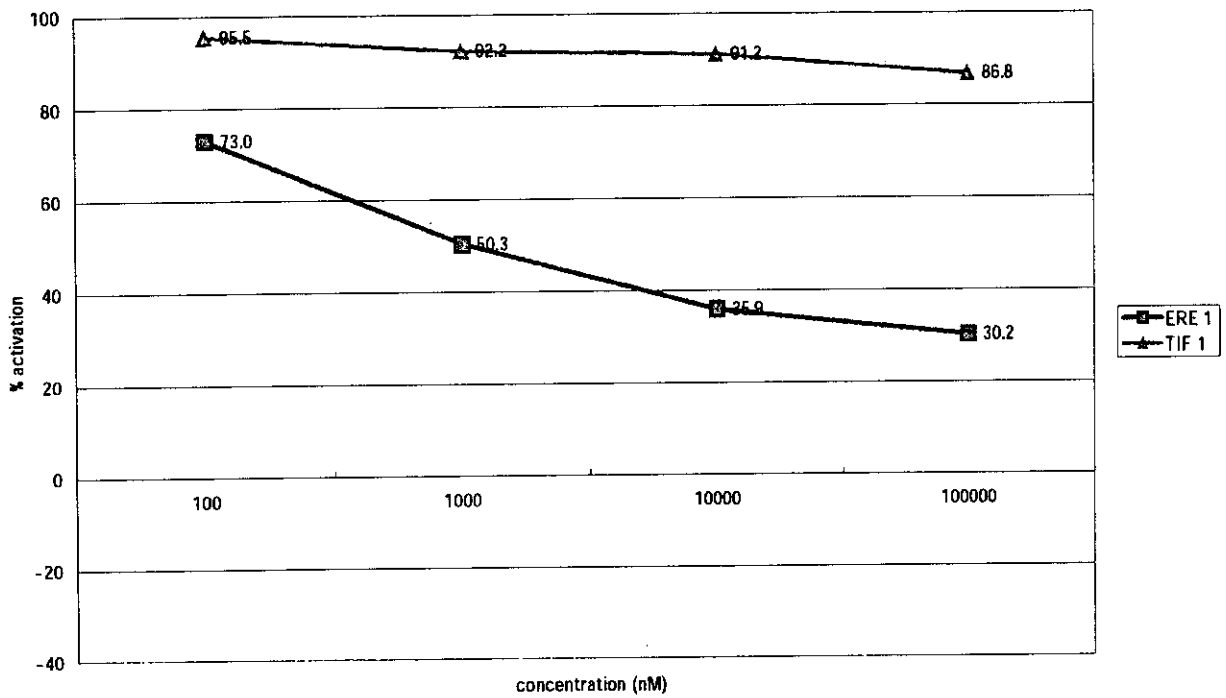
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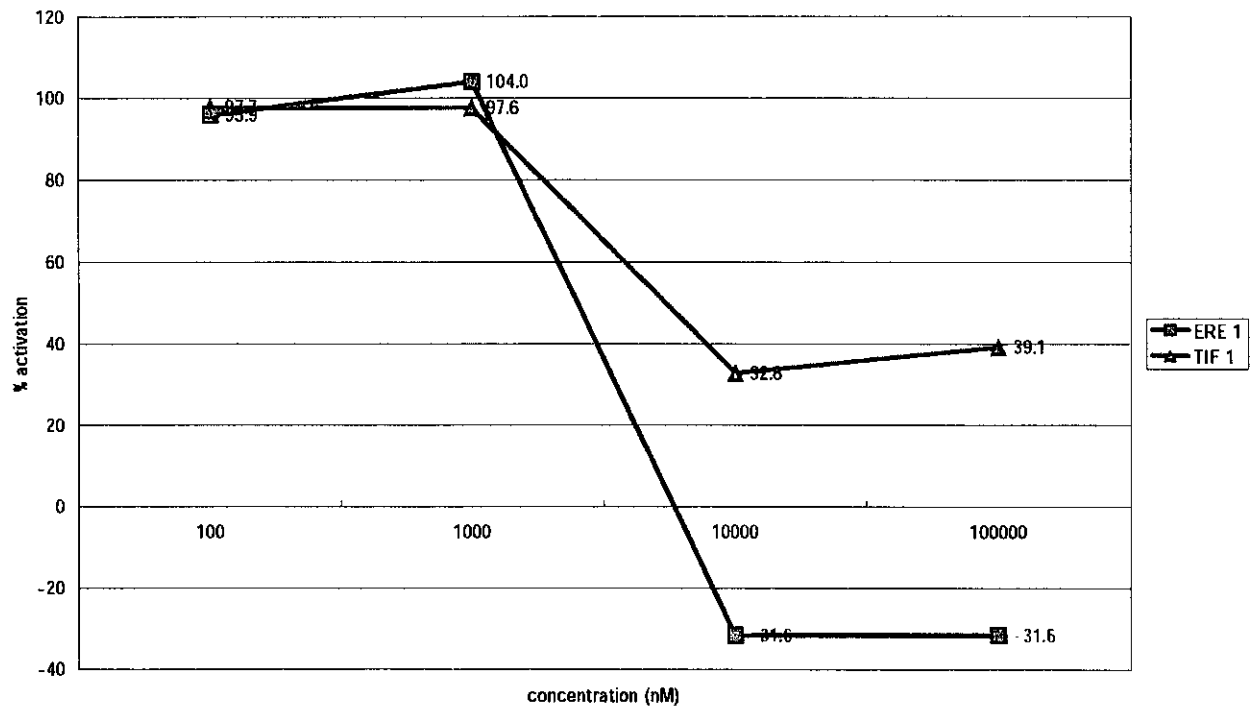
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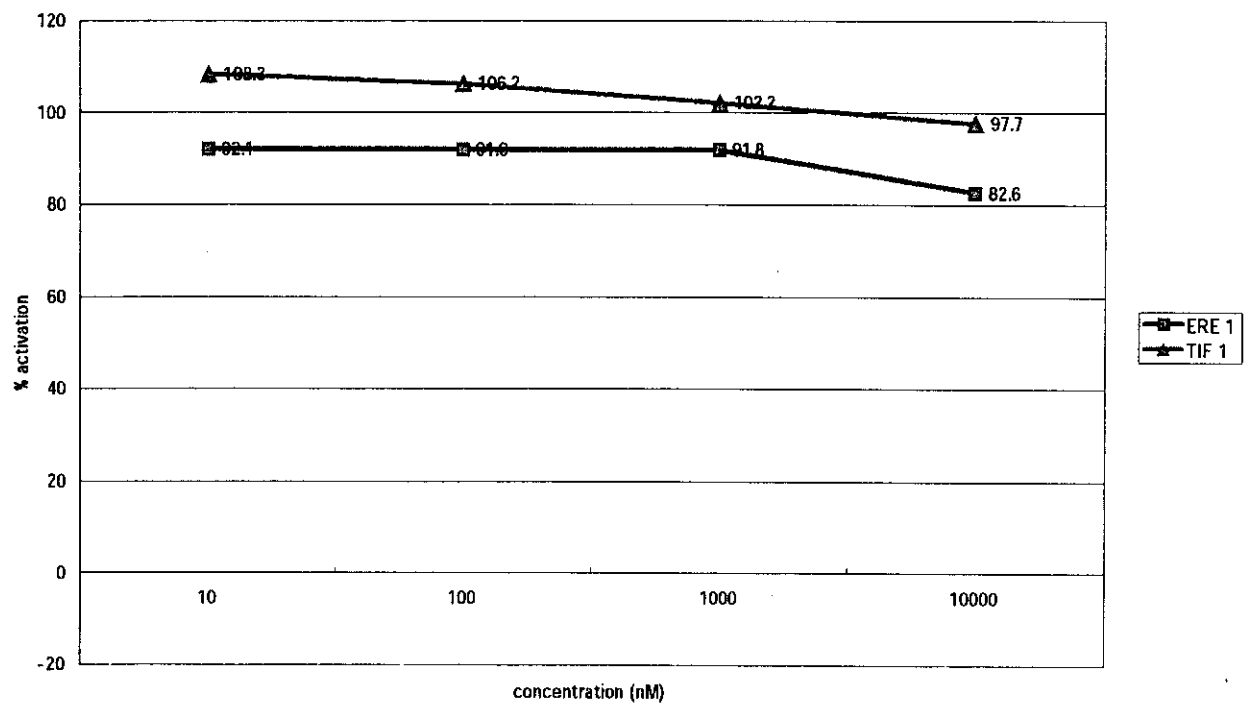
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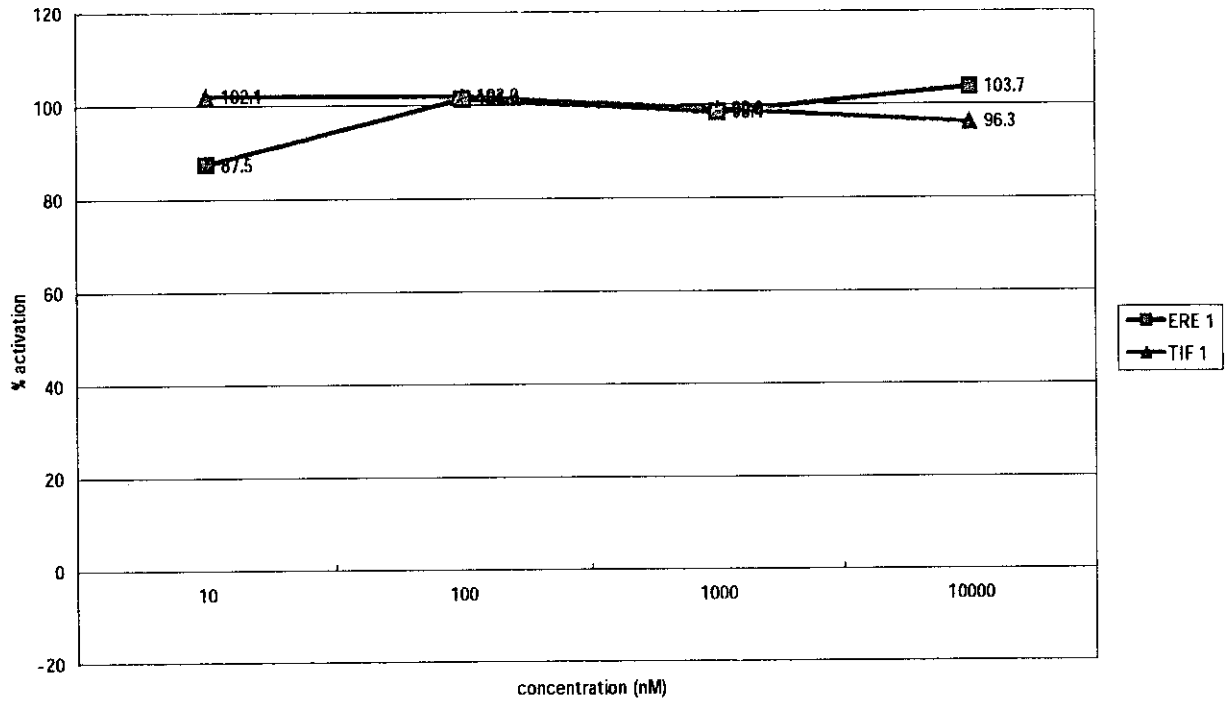
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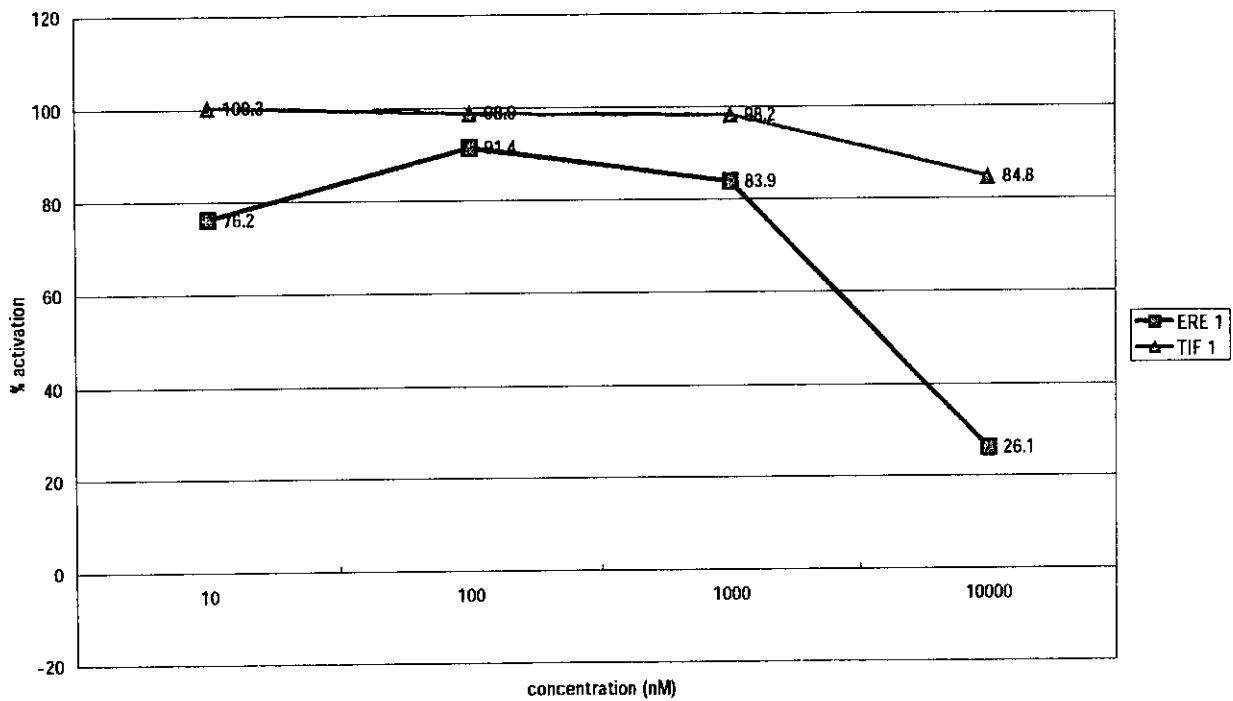
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EA118

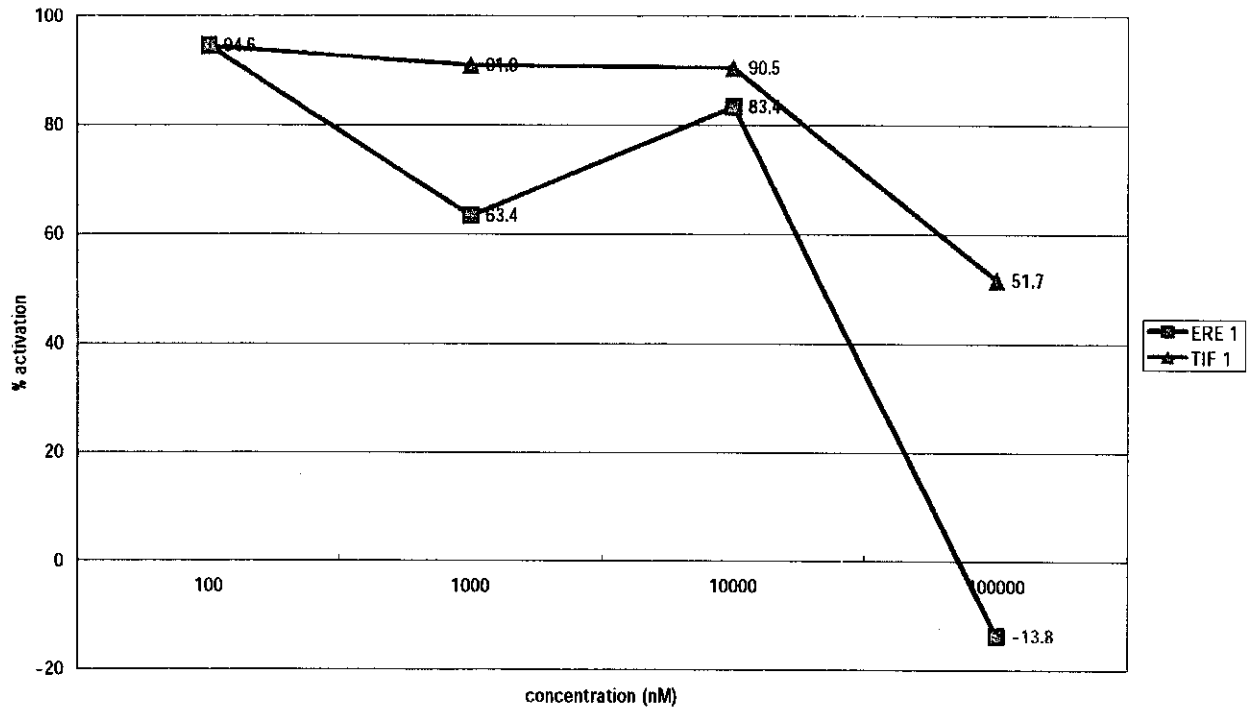


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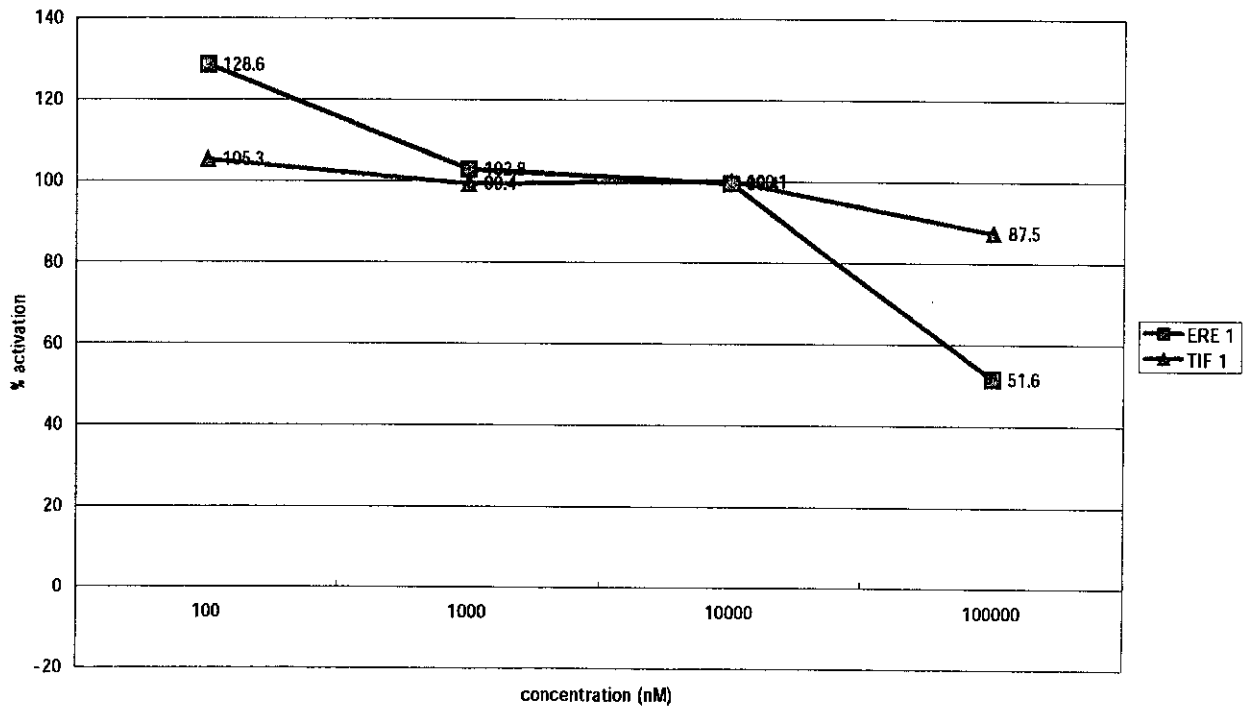




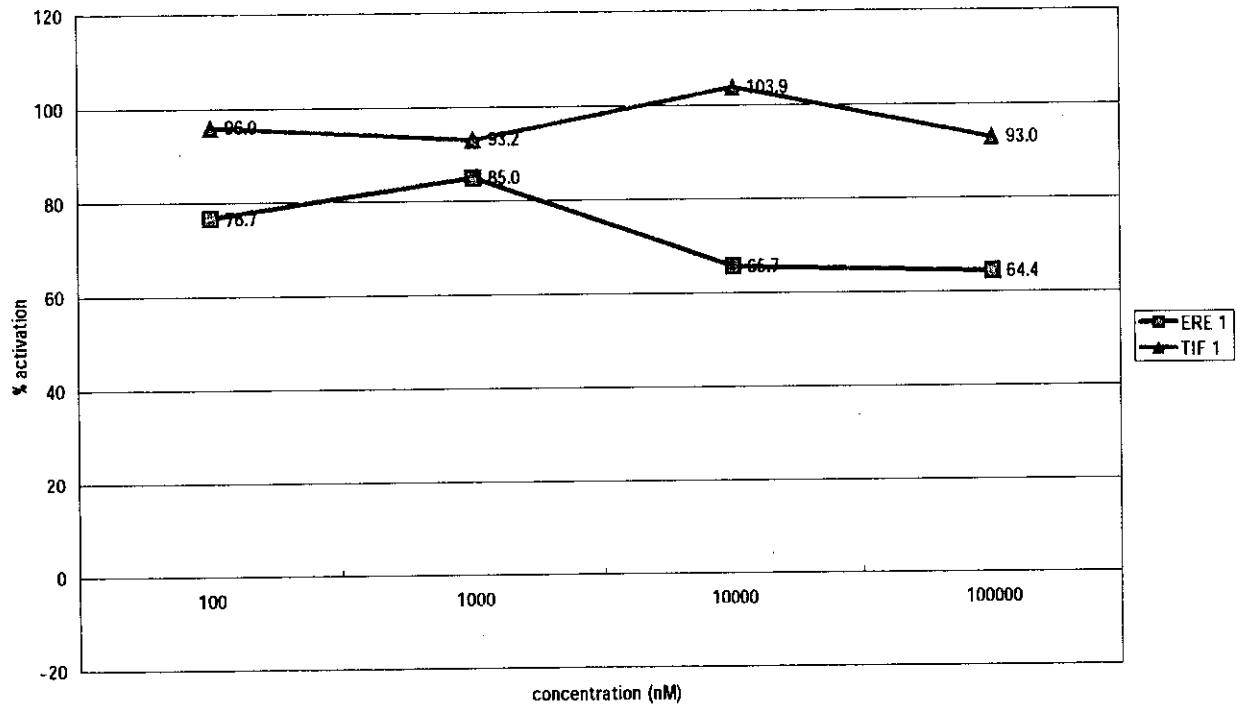
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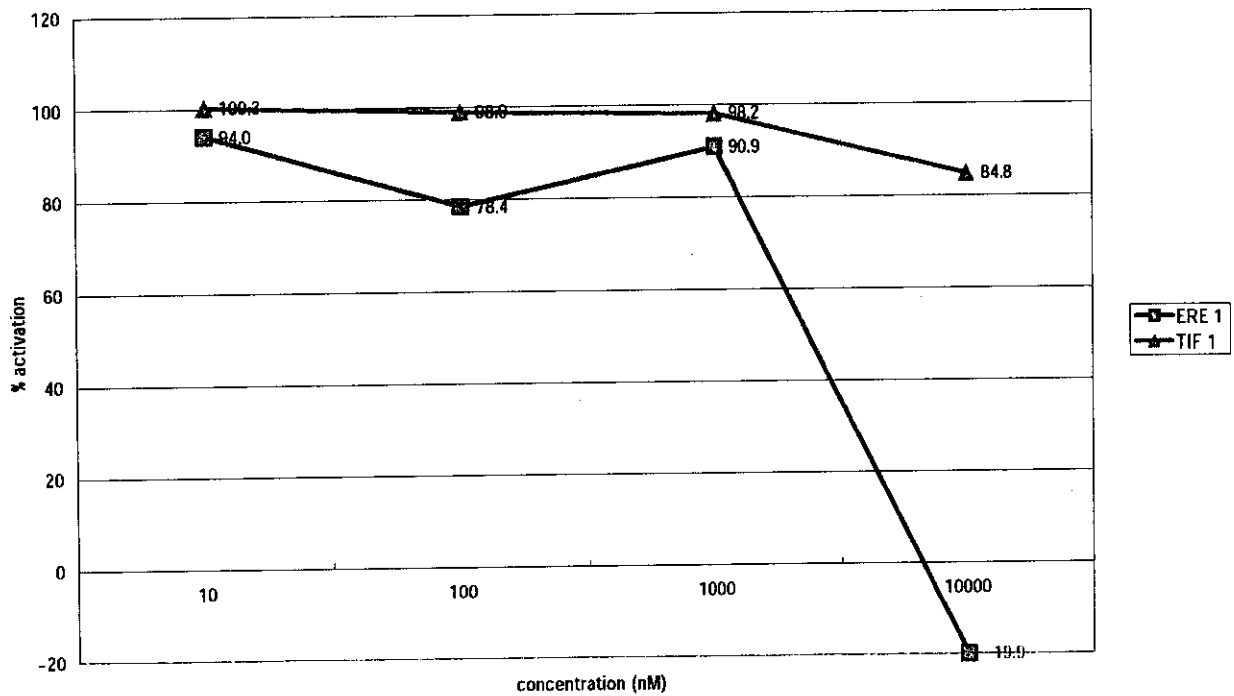
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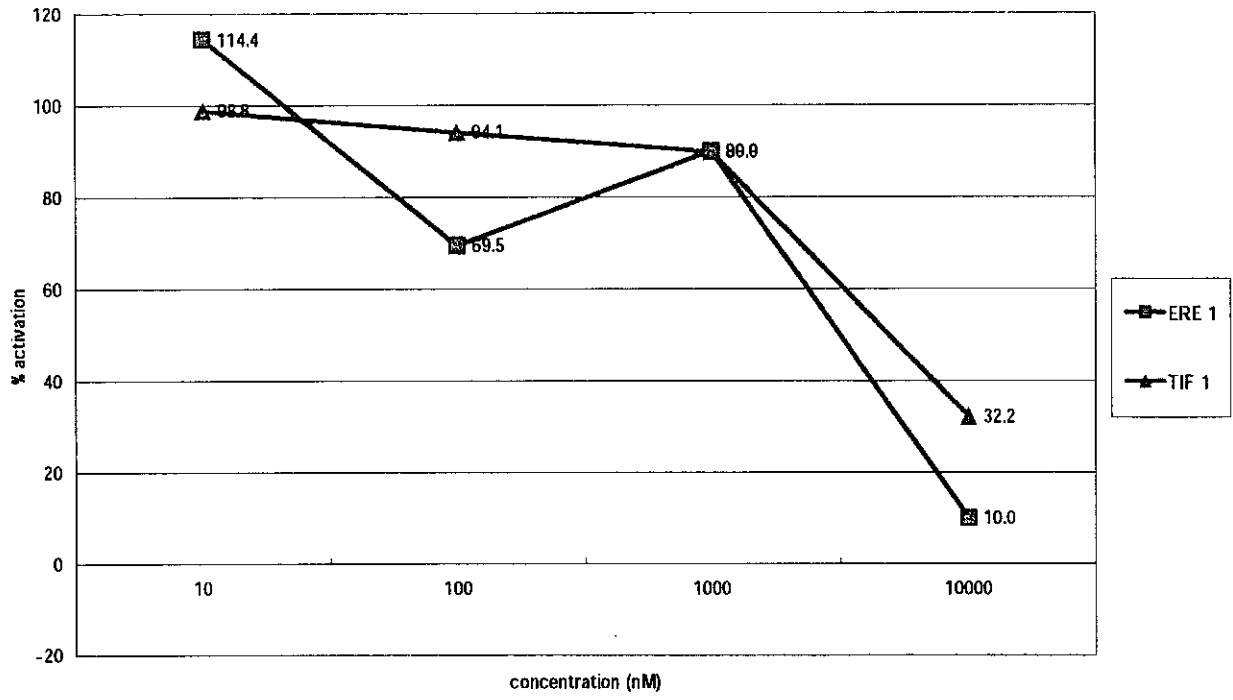
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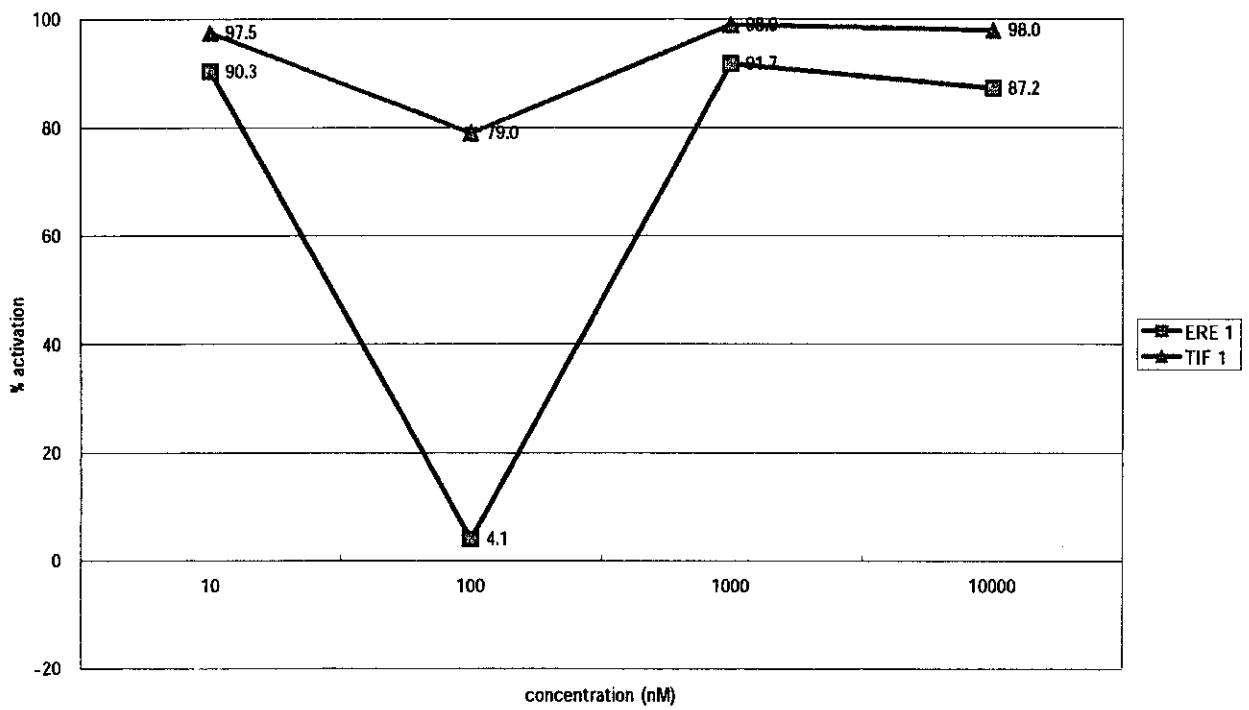
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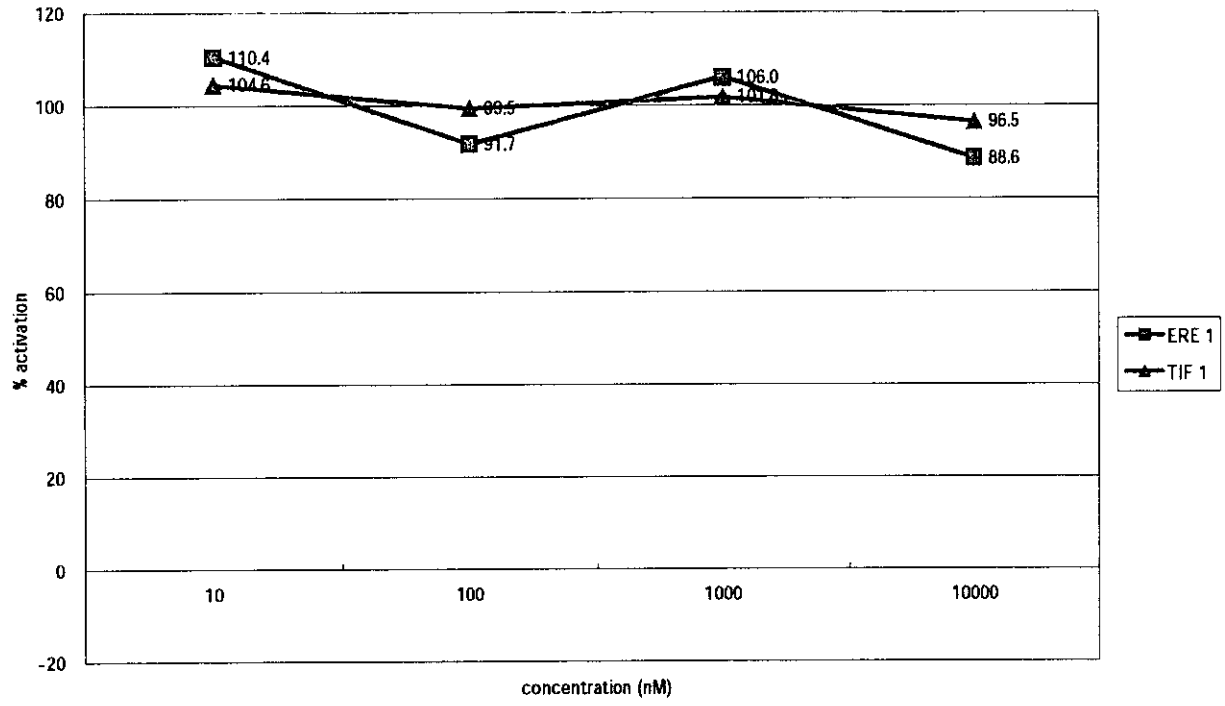
EA308



EA120



EA121



EA133

