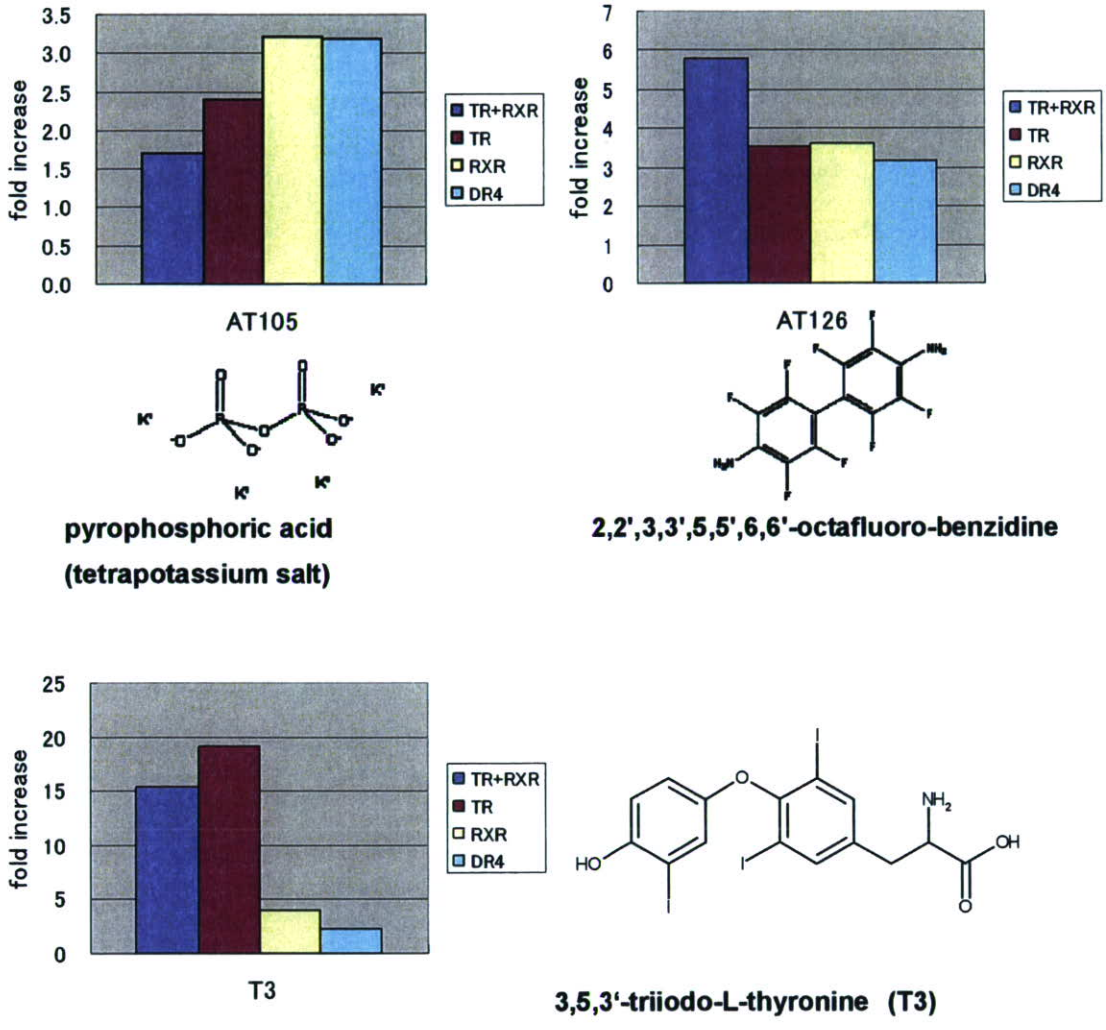


図4 TR-RXR ヘテロダイマー、TR ホモダイマー、RXR ホモダイマー、その他の細胞内在性因子への反応性を調べた実験

各化合物の反応性は、ベースラインからの Fold increase で表してある。
各グラフの下には、それぞれの化合物の名称および化学構造を示した。

付録 物質一覧(その1)

Assay ID	CAS_s	Name	MW
AT101	5421-66-9	1,3-Benzenediamine, 4,4'-(4-methyl-1,3-phenylene)	461.398
AT102	2444-46-4	NONANAMIDE, N-((4-HYDROXY-3-METHOXYPHENYL)METHY*	293.404
AT103	79-96-9	3,3'-DI-TERT-BUTYLDIAN	340.504
AT104	8003-34-7	Pyrethrins	
AT105	7320-34-5	Pyrophosphoric acid, tetrapotassium salt	330.333
AT106	120-51-4	Benzyl benzoate	212.247
AT107	644-08-6	Biphenyl, 4-methyl-	168.2378
AT108	5331-91-9	5-Chloro-2-benzothiazolethiol	201.6883
AT109	719-03-9	Hydroquinone, (1,1,3,3-tetramethylbutyl)-	222.326
AT110	531-59-9	Herniarin	176.1714
AT111	56-72-4	O,O-Diethyl O-(3-chloro-4-methyl-2-oxo-2H-1-benzop	362.768
AT112	60-56-0	Imidazole-2-thiol, 1-methyl-	114.1648
AT113	51-52-5	Uracil, 6-propyl-2-thio-	170.2288
AT114	61-82-5	3-Amino-s-triazole	84.0804
AT115	106-02-5	Pentadecanoic acid, 15-hydroxy-, .xi.-lactone	240.385
AT116	103-34-4	Morpholine, 4,4'-dithiodi-	236.3466
AT117	298-81-7	7H-Furo(3,2-g)(1)benzopyran-7-one, 9-methoxy-	216.1928
AT118	51630-58-1	Fenvalerate	419.9067
AT119	81-64-1	Anthraquinone, 1,4-dihydroxy-	240.2148
AT120	8	Phenol, 4,4'-(1-(4-(1-(4-hydroxyphenyl)-1-methylethyl)phenyl)ethylidene)bis-	424.53
AT121	96-69-5	4,4'-THIOBIS(6-TERT-BUTYL-M-CRESOL)	358.5378
AT122	603-35-0	TRIPHENYLPHOSPHINE	262.2903
AT123	96-29-7	2-BUTANONE OXIME	87.1212
AT124	81-11-8	2,2'-Stilbenedisulfonic acid, 4,4'-diamino-	370.3944
AT125	4191-73-5	Isopropyl 4-hydroxybenzoate	180.202
AT126	1038-66-0	Benzidine, 2,2',3,3',5,5',6,6'-octafluoro-	328.1642
AT127	84-19-5	Phenol, 4,4'-(diethylideneethylene)di-, diacetate	350.4134
AT128	119-93-7	Benzidine, 3,3'-dimethyl-	212.2938
AT129	3194-55-6	1,2,5,6,9,10-Hexabromocyclododecane	641.698
AT130	25637-99-4	Cyclododecane, hexabromo-	641.6982

Assay ID の AT は AR、TR 共に測定、また AR は AR のみ、TR は TR のみ測定

付録 物質一覧(その2)

Assay ID	CAS_s	Name	MW
AT131	3001-15-8	Biphenyl, 4,4'-diiodo-	405.995
AT132	2236-52-4	2,2'-Diiodobiphenyl	405.995
AT133	10605-21-7	Methyl 2-benzimidazolecarbamate	191.189
AT134	77-06-5	Gibberellic acid	348.395
AT135	2032-65-7	4-(Methylthio)-3,5-xylyl methylcarbamate	225.305
AT136	67747-09-5	PROCHLORAZ	376.6693
AT137	97-39-2	N,N'-BIS(2-METHYLPHENYL)GUANIDINE	239.3194
AT138	464-49-3	Camphor, (1R,4R)-(+)-	152.2358
AT139	92-52-4	1,1'-BIPHENYL	154.211
AT140	133-07-3	N-((Trichloromethyl)thio)phthalimide	296.5551
AR141	404-86-4	Capsaicin	305.415
AR142	42436-07-7	Benzeneacetic acid, 3-hexenyl ester, (Z)-	218.295
AR143	124-10-7	METHYL MYRISTATE	242.4008
AR144	934-34-9	2(3H)-Benzothiazolone	151.1826
AR145	13110-37-7	BENZOIC ACID, 4-AMINO-,PENTY ESTER	207.2718
AR146	1980/5/7	Phenol, 4,4'-isopropylidenedi-	228.2902
AR147	56-53-1	4,4'-Stilbenediol, alpha,alpha'-diethyl-	268.3548
AR148	843-55-0	4,4'-Cyclohexylidenebisphenol	268.354
AR149	1003-04-9	3(2H)-Thiophenone, dihydro-	102.1508
AR150	122-40-7	2-Pentylcinnamaldehyde	202.295
TR141	2664-63-3	Phenol, 4,4'-thiodi-	218.2698
TR142	1141-59-9	Resorcinol, 4-(2-pyridylazo)-	215.211
TR143	119-61-9	Benzophenone	182.2214
TR144	611-99-4	Benzophenone, 4,4'-dihydroxy-	214.219
TR145	131-56-6	BENZORESORCINOL	214.2202
TR146	98-54-4	Phenol, p-tert-butyl-	150.22
TR147	140-66-9	P-(1,1,3,3-TETRAMETHYLBUTYL)PHENOL	206.3272
TR148	92-69-3	4-PHENYLPHENOL	170.2104
TR149	1131-60-8	Phenol, p-cyclohexyl-	176.2578
TR150	603-45-2	ROSOLIC ACID	290.3178

Assay ID の AT は AR、TR 共に測定、また AR は AR のみ、TR は TR のみ測定

付録 物質一覧(その3)

Assay ID	CAS	Name
AT151	84-80-0	Phytonadione
AT152	80844-07-1	Etofenprox
AT153	569-61-9	Para Magenta
AT154	497-76-7	Arbutin
AT155	68359-37-5	Cyfluthrin
AT156	1576-13-2	4,4'-PROPYLIDENEDIPHENOL
AT157	327-97-9	Chlorogenic acid
AT158	3253-39-2	Methacrylic acid, isopropylidenedi-p-phenylene ester
AT159	55179-31-2	Bitertanol
AT160	480-18-2	Taxifolin
AT161	117-39-5	Quercetin
AT162	193-39-5	Indeno 1,2,3-cd pyrene
AT163	785-30-8	4,4'-Diaminobenzanilide
AT164	25812-30-0	Gemfibrozil
AT165	844-51-9	p-Benzoquinone, 2,5-diphenyl-
AT166	25812-30-0	Gemfibrozil
AT167	28434-00-6	S-Bioallethrin
AT168	28434-01-7	Bioresmethrin
AT169	7696-12-0	Tetramethrin
AT170	139-65-1	4,4'-Thiodianiline
AT171	94-18-8	Benzylparaben
AT172	117-37-3	Anisindione
AT173	723-46-6	Sulfamethoxazole
AT174	298-46-4	Carbamazepine
AT175	17598-02-6	Precocene I
AT176	84-60-6	Anthraflavic acid
AT177	6521-30-8	Benzoic acid, p-hydroxy-, isopentyl ester
AT178	103-14-0	Phenol, 4- (phenylmethyl)amino -
AT179	125-84-8	Aminoglutethimide
AT180	23564-06-9	Thiophanate

Assay ID の AT は AR、TR 共に測定、また AR は AR のみ、TR は TR のみ測定

付録 物質一覧(その4)

Assay ID	CAS_s	Name	MW
AT181	125-12-2	Pichtosin	196.288
AT182	29091-21-2	2,4-Dinitro-N3,N3-dipropyl-6-(trifluoromethyl)-1,3-benzenediamine (Not	350.295
AT183	119168-77-3	Tebufenpyrad	333.861
AT184	53112-28-0	Pyrimethanil	199.256
AT185	78587-05-0	Hexythiazox	352.884
AT186	76578-12-6	QUIZALOFOP	344.7527
AT187	1825-21-4	Pentachloroanisole	280.365
AT188	1107-00-2	Phthalic anhydride, 4,4'- trifluoro-1-(trifluoromethyl)ethylidene di-	444.238
AT189	1861-32-1	Dimethyl tetrachloroterephthalate	331.965
AT190	541-41-3	Ethyl chloroformate	108.523
AR191	2153-28-8	Terpinyl butyrate	224.34
AR192	2128-93-0	Benzophenone, 4-phenyl-	258.319
AR193	102-22-7	Acetic acid, phenyl-, 3,7-dimethyl-2,6-octadienyl ester, (E)-	272.386
AR194	66142-15-2	Benzoxazolium, 2-methyl-5-phenyl-3-(3-sulfopropyl)-, hydroxide, inner salt	331.39
AR195	791-28-6	Phosphine oxide, triphenyl-	278.289
AR196	574-09-4	Acetophenone, 2-ethoxy-2-phenyl-	240.3
AR197	1948-33-0	2-(T-BUTYL)-1,4-BENZENEDIOL	166.219
AR198	104-46-1	Anethole	148.204
AR199	2495-37-6	BENZYL METHACRYLATE	176.214
AR200	94-71-3	Guaethol	138.165
TR191	22499-12-3	2-(2-METHYLPROPOXY)-1,2-DIPHENYL ETHANONE	268.354
TR192	80-51-3	4,4'-OXYBISBENZENESULFONIC ACID, DIHYDRAZIDE	358.398
TR193	101-72-4	N-ISOPROPYL-N'-PHENYL-P-PHENYLENEDIAMINE	226.321
TR194	77-62-3	Nonox wsp	420.633
TR195	3290-92-4	Trimethylolpropane trimethacrylate	338.397
TR196	7779-65-9	Cinnamic acid, isopentyl ester	218.294
TR197	41532-84-7	1H-Benz e indole, 1,1,2-trimethyl-	209.29
TR198	126-64-7	1,6-Octadien-3-ol, 3,7-dimethyl-, benzoate	258.359
TR199	1135-24-6	Ferulic acid	194.185
TR200	22839-47-0	Aspartame	294.305

Assay ID の AT は AR、TR 共に測定、また AR は AR のみ、TR は TR のみ測定

付録 物質一覧(その5)

ID	NAME	CAS_s	MW
AT201	1,3-Diethyl-1,3-diphenylurea	85-98-3	268.358
AT202	Benzaldehyde Diethyl Acetal	774-48-1	180.24
AT203	benzo(b)fluoranthene	205-99-2	252.315
AT204	Acetophenone, 2-isopropoxy-2-phenyl-	6652-28-4	254.327
AT205	Cinnamic acid, phenethyl ester	103-53-7	252.311
AT206	1-Propanaminium, N,N,N-trimethyl-3-[(2-methyl-1-oxo-2-propenyl)amino]-, ch	51410-72-1	220.742
AT207	Benzeneacetic acid, 4-methylphenyl ester	101-94-0	226.274
AT208	Octanal, 7-hydroxy-3,7-dimethyl-, dimethyl acetal	141-92-4	218.334
AT209	Mepanipyrim	110235-47-7	223.278
AT210	butanoic acid, 1,1-dimethyl-2-phenylethyl ester	10094-34-5	220.31
AT211	Melatonin	73-31-4	232.281
AT212	Benzene, 2-(diethoxymethyl)-1-heptenyl -	60763-41-9	276.417
AT213	Benzoic acid, 2-ethylhexyl ester	5444-75-7	234.337
AT214	dicyclopenteneoxyethyl methacrylate	68586-19-6	262.34
AT215	2,4,5,7-tetranitro-9-(4-octyloxy-benzylidene)-9h-fluorene	NA	562.54
AT216	4',6,7-Trimethoxyisoflavone	798-61-8	312.32
AT217	Formononetin	485-72-3	268.267
AT218	Benz(a)anthracene	56-55-3	228.29
AT219	para-Dichlorobenzene	106-46-7	147
AT220	4-cyclopentylphenol	1518-83-8	162.33
AT221	2-hydroxyfluorene	2443-58-5	182.22
AT222	7-Hydroxyflavone	6665-86-7	238.24
AT223	2-Hydroxy-9-fluorenone	6949-73-1	196.2
AT224	6-Bromo-2-naphthol	15231-91-1	223.07
AT225	2-carbethoxy-5,7-dihydroxy-4'-methoxyisoflavone	15485-76-4	356.33
AT226	4-(1-adamantyl)phenol	29799-07-3	228.33
AT227	WY14643(Pirinixic acid)	50892-23-4	323.803
AT228	3,6-dihydroxyflavone	108238-41-1	252.24
AT229	Luteolin	491-70-3	286.24
AT230	Clofibrate	637-07-0	242.701
AT231	Mono-2-ethylhexyl Phthalate	4376-20-9	278.34
AT232	6,7-dihydroxyflavone	38183-04-9	254.25
AT233	Di-i-propyl phthalate	605-45-8	250.292
AT234	2-Naphthalenecarboxamide, 1-hydroxy-N-(2-(tetradecyloxy)phenyl)-	39163-92-3	475.669
AT235	Anethole	4180-23-8	148.204
AT236	Brodifacoum	56073-10-0	523.424
AT237	Isopropalin	33820-53-0	309.364
AT238	Difenoxuron	14214-32-5	286.329
AT239	Tralkoxydim	87820-88-0	329.437
AT240	Resmethrin	10453-86-8	338.444

Assay ID の AT は AR、TR 共に測定、また AR は AR のみ、TR は TR のみ測定

付録 物質一覧(その6)

ID	NAME	CAS_s	MW
AR241	Cycloheximide	66-81-9	281.35
AR242	Sulpiride	15676-16-1	341.43
AR243	Santoflex 13	793-24-8	268.402
AR244	Citronellyl isobutyrate	97-89-2	226.357
AR245	Phenol, 2-methoxy-4-propenyl-, acetate	93-29-8	206.24
AR246	Cyclohexanol, 4-tert-butyl-, acetate	32210-23-4	198.304
AR247	Morin	480-16-0	302.24
AR248	3',4',7-trihydroxyisoflavone	485-63-2	270.24
AR249	4-Hexanoylresorcinol	3144-54-5	208.25
AR250	6,3'-dihydroxyflavone	108238-41-1	252.24
TR241	Clindamycin phosphate	24729-96-2	504.966
TR242	Oxycarboxin	5259-88-1	267.304
TR243	Acetamide, N-fluoren-2-yl-	53-96-3	223.274
TR244	Isobutyric acid, 3,7-dimethyl-2,6-octadienyl ester, (Z)-	2345-24-6	224.342
TR245	Cinnamaldehyde, .alpha.-pentyl-, dimethyl acetal	91-87-2	248.364
TR246	2,4,6-TRIS[(DIMETHYLAMINO)METHYL]PHENOL	90-72-2	265.398
TR247	Benzoic acid, p-(dimethylamino)-	619-84-1	165.191
TR248	RCL S12,616-0	NA	346.48
TR249	Genistein 4',7-dimethyl ether	34086-51-6	298.293
TR250	3,3'-Dichlorobenzidine	91-94-1	253.131

Assay ID の AT は AR、TR 共に測定、また AR は AR のみ、TR は TR のみ測定

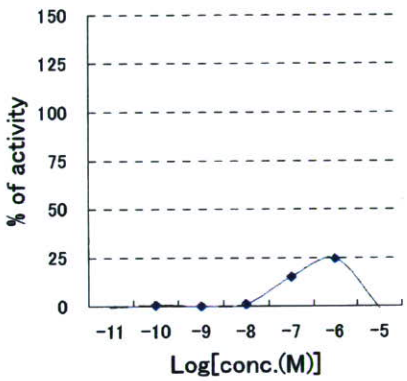
測定結果　一覧

AR レポータージーンアッセイ
TR レポータージーンアッセイ
40 物質
(AT101～AT140)

sample No.	AT101
chemical name	1,3-Benzenediamine, 4,4'-_(4-methyl-1,3-phenylene)
CAS.	5421-66-9

AR agonist assay

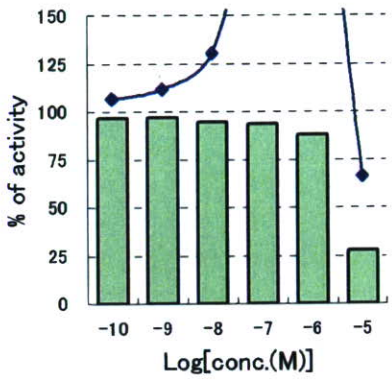
LOG[conc.(M)]	luc
-5	-1.0
-6	24.6
-7	15.2
-8	1.3
-9	0.0
-10	0.5
-11	-0.5



AR antagonist assay

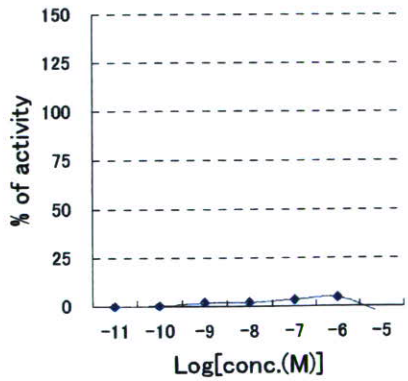
LOG[conc.(M)]	luc	ren
-5	66	28
-6	275	88
-7	222	94
-8	131	95
-9	112	97
-10	106	97

Cell viability



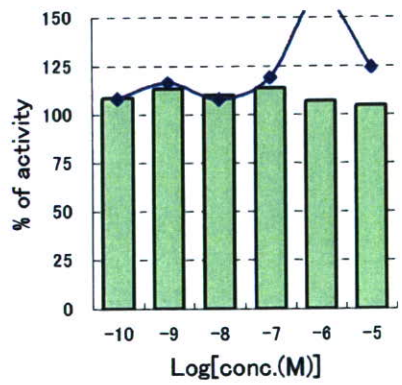
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	-3.6
-6	4.7
-7	3.6
-8	2.1
-9	2.2
-10	0.2
-11	0.0



TRβ-RXR antagonist assay

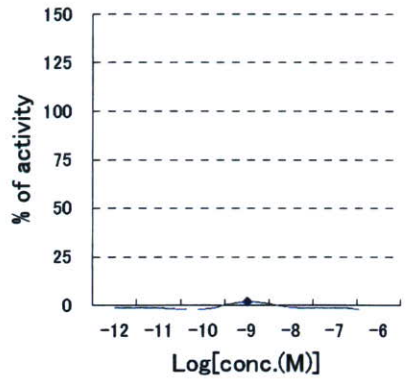
LOG[conc.(M)]	luc	ren
-5	125	105
-6	161	107
-7	119	113
-8	108	110
-9	116	113
-10	108	109



sample No.	AT102
chemical name	NONANAMIDE, N-((4-HYDROXY-3-METHOXYPHENYL)METHY*
CAS.	2444-46-4

AR agonist assay

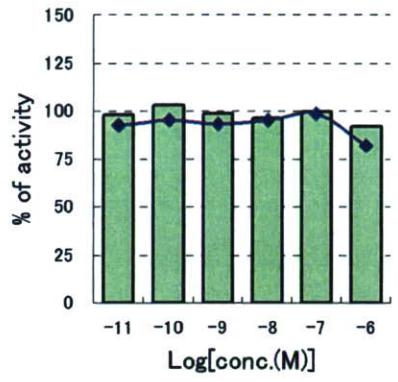
LOG[conc.(M)]	luc
-6	-3.1
-7	-1.1
-8	-0.9
-9	2.1
-10	-2.1
-11	-1.4
-12	-1.5



AR antagonist assay

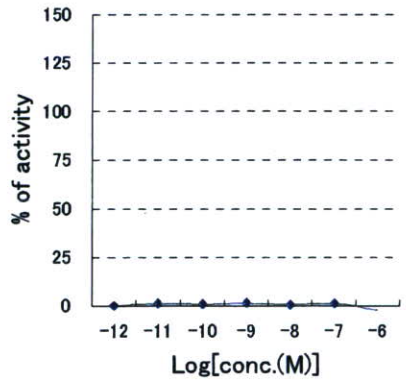
LOG[conc.(M)]	luc	ren
-6	82	92
-7	98	99
-8	95	96
-9	93	99
-10	95	103
-11	93	98

Cell viability



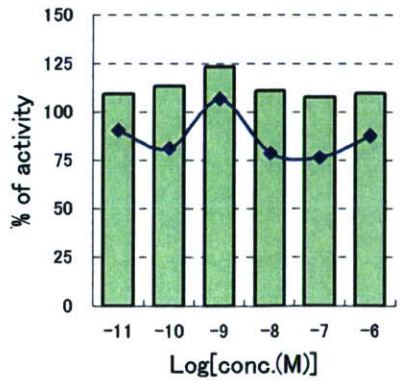
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-6	-2.0
-7	1.4
-8	0.7
-9	1.9
-10	1.1
-11	1.4
-12	0.2



TRβ-RXR antagonist assay

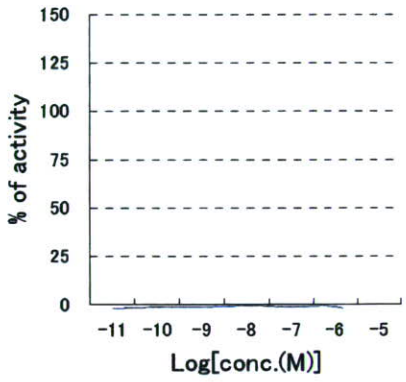
LOG[conc.(M)]	luc	ren
-6	88	109
-7	76	107
-8	79	111
-9	107	123
-10	81	113
-11	91	109



sample No. AT103
chemical name 3,3'-DI-TERT-BUTYLDIAN
CAS. 79-96-9

AR agonist assay

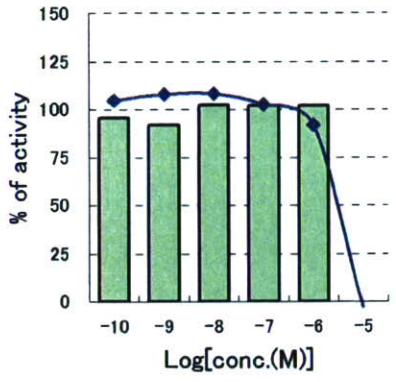
LOG[conc.(M)]	luc
-5	-10.1
-6	-1.1
-7	-1.4
-8	-0.6
-9	-1.1
-10	-1.5
-11	-2.1



AR antagonist assay

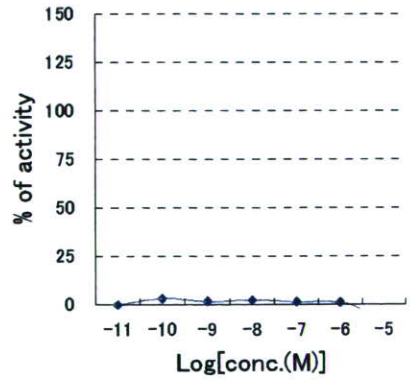
LOG[conc.(M)]	luc	ren
-5	-5	-17
-6	92	102
-7	103	102
-8	108	102
-9	108	92
-10	105	95

Cell viability



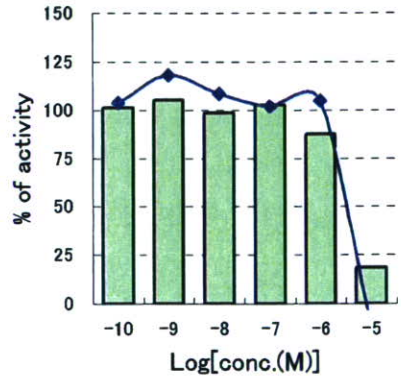
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	-7.6
-6	1.3
-7	1.5
-8	2.2
-9	1.7
-10	3.3
-11	0.0



TRβ-RXR antagonist assay

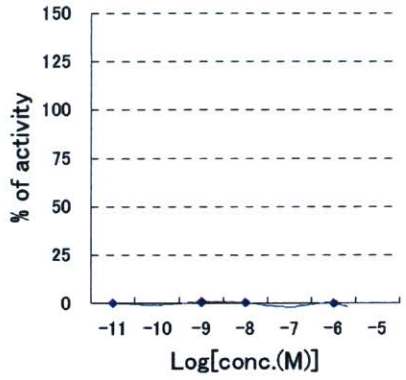
LOG[conc.(M)]	luc	ren
-5	-14	18
-6	105	87
-7	102	103
-8	109	98
-9	118	105
-10	104	101



sample No.	AT104
chemical name	Pyrethrins
CAS.	8003-34-7

AR agonist assay

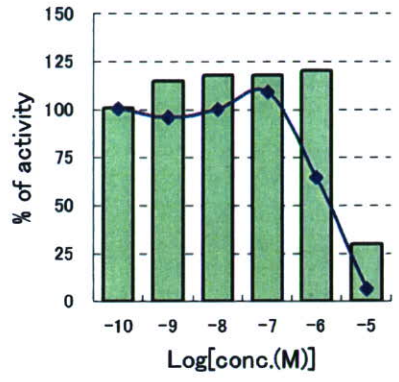
LOG[conc.(M)]	luc
-5	-8.8
-6	0.0
-7	-2.1
-8	0.2
-9	0.7
-10	-0.8
-11	0.1



AR antagonist assay

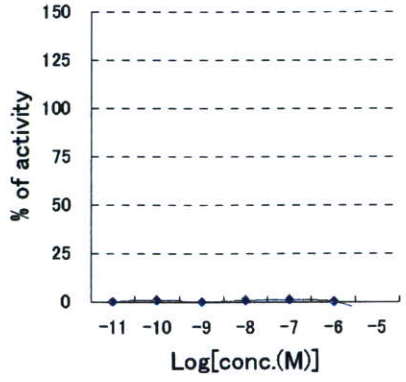
LOG[conc.(M)]	luc	ren
-5	7	30
-6	65	120
-7	109	118
-8	100	118
-9	96	115
-10	101	101

Cell viability



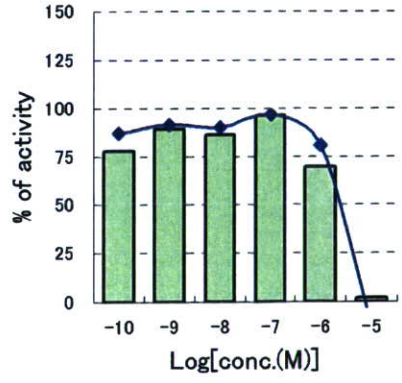
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	-6.9
-6	0.6
-7	1.5
-8	1.2
-9	0.4
-10	1.2
-11	0.4



TRβ-RXR antagonist assay

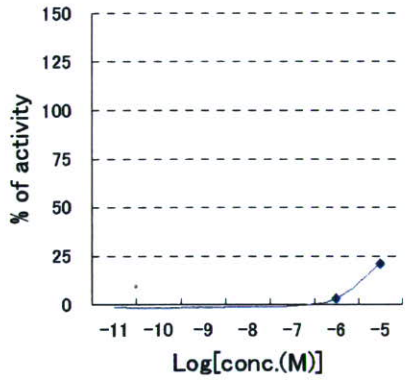
LOG[conc.(M)]	luc	ren
-5	-13	2
-6	81	69
-7	97	96
-8	90	86
-9	92	89
-10	87	78



sample No. AT105
chemical name Pyrophosphoric acid, tetrapotassium salt
CAS. 7320-34-5

AR agonist assay

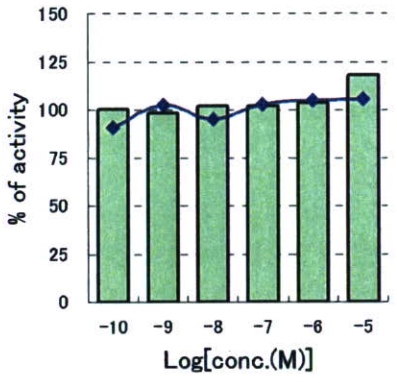
LOG[conc.(M)]	luc
-5	21.0
-6	3.4
-7	-0.7
-8	-0.9
-9	-1.5
-10	-1.9
-11	-1.5



AR antagonist assay

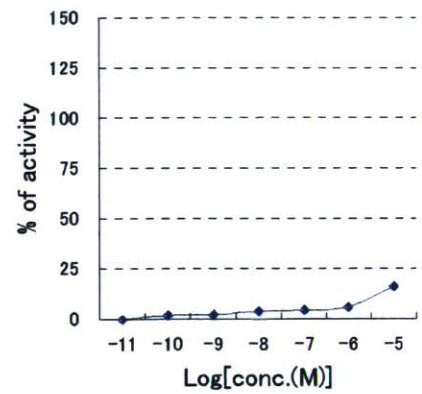
LOG[conc.(M)]	luc	ren
-5	106	118
-6	105	104
-7	103	102
-8	95	102
-9	103	98
-10	91	100

Cell viability



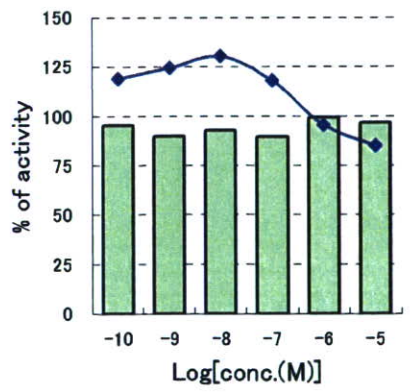
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	16.2
-6	6.1
-7	4.8
-8	3.9
-9	2.3
-10	2.0
-11	0.1



TRβ-RXR antagonist assay

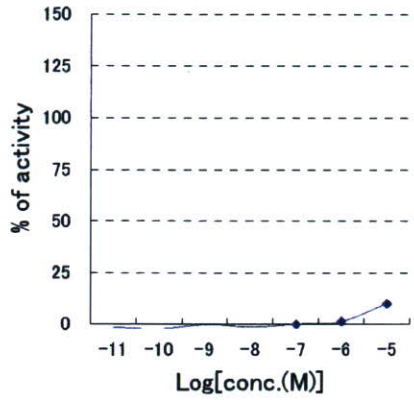
LOG[conc.(M)]	luc	ren
-5	85	97
-6	96	99
-7	118	89
-8	131	93
-9	125	90
-10	119	95



sample No. AT106
chemical name Benzyl benzoate
CAS. 120-51-4

AR agonist assay

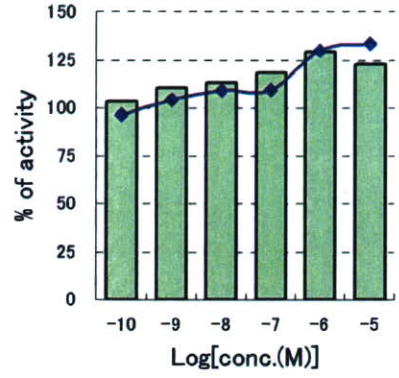
LOG[conc.(M)]	luc
-5	9.9
-6	1.5
-7	-0.1
-8	-1.2
-9	-0.4
-10	-1.8
-11	-1.5



AR antagonist assay

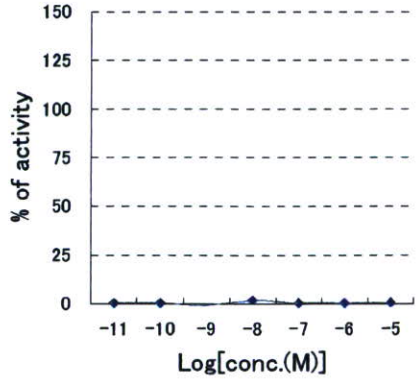
LOG[conc.(M)]	luc	ren
-5	134	123
-6	130	129
-7	109	118
-8	109	113
-9	104	110
-10	96	103

Cell viability



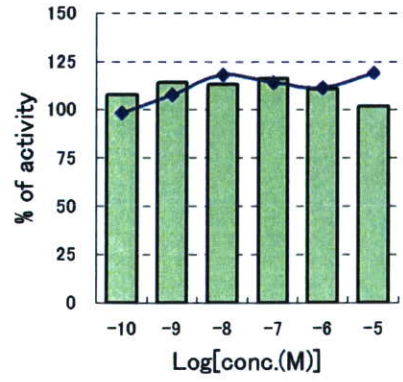
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	0.8
-6	0.5
-7	0.6
-8	2.2
-9	-0.7
-10	0.6
-11	0.6



TRβ-RXR antagonist assay

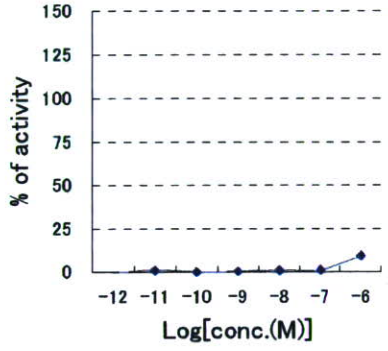
LOG[conc.(M)]	luc	ren
-5	119	102
-6	111	110
-7	114	116
-8	118	113
-9	108	114
-10	98	108



sample No. AT107
chemical name Biphenyl, 4-methyl-
CAS. 644-08-6

AR agonist assay

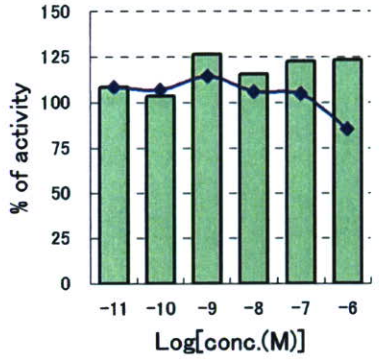
LOG[conc.(M)]	luc
-6	9.3
-7	1.2
-8	1.1
-9	0.5
-10	0.0
-11	1.1
-12	-0.3



AR antagonist assay

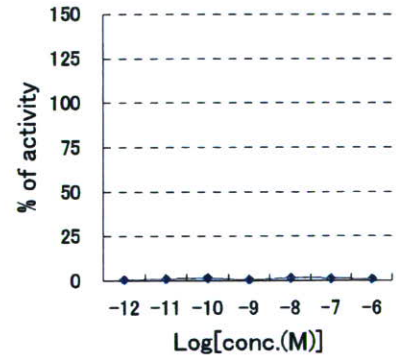
LOG[conc.(M)]	luc	ren
-6	85	123
-7	105	122
-8	106	115
-9	115	126
-10	107	103
-11	109	108

Cell viability



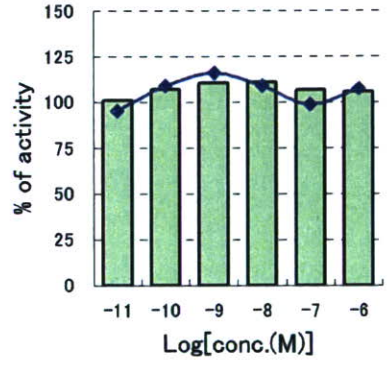
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-6	1.1
-7	1.4
-8	1.6
-9	0.8
-10	1.7
-11	1.1
-12	0.8



TRβ-RXR antagonist assay

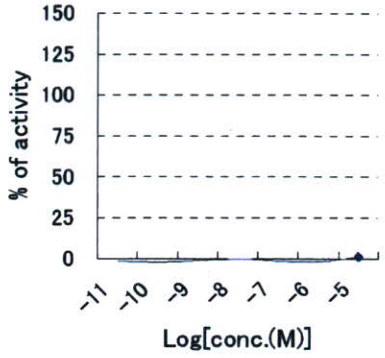
LOG[conc.(M)]	luc	ren
-6	108	106
-7	99	107
-8	109	111
-9	116	111
-10	109	107
-11	95	101



sample No. AT108
chemical name 5-Chloro-2-benzothiazolethiol
CAS. 5331-91-9

AR agonist assay

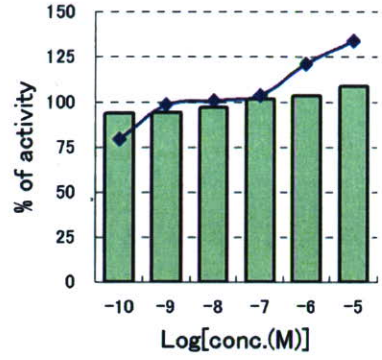
LOG[conc.(M)]	luc
-5	0.9
-6	-1.8
-7	-1.4
-8	-0.5
-9	-0.9
-10	-2.0
-11	-1.2



AR antagonist assay

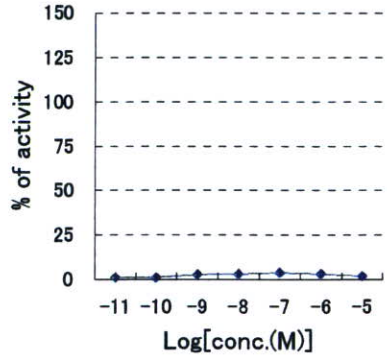
LOG[conc.(M)]	luc	ren
-5	134	109
-6	121	103
-7	104	101
-8	101	97
-9	99	94
-10	80	94

Cell viability



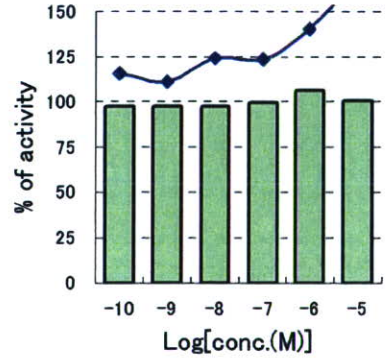
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	1.9
-6	3.1
-7	3.9
-8	3.4
-9	2.9
-10	1.4
-11	1.1



TRβ-RXR antagonist assay

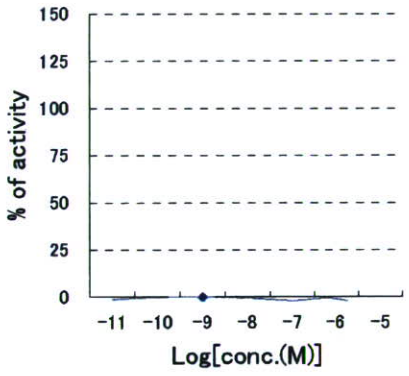
LOG[conc.(M)]	luc	ren
-5	169	101
-6	140	106
-7	123	99
-8	124	97
-9	111	97
-10	116	97



sample No. AT109
chemical name Hydroquinone, (1,1,3,3-tetramethylbutyl)-
CAS. 719-03-9

AR agonist assay

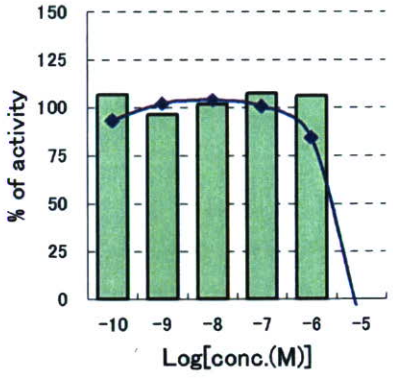
LOG[conc.(M)]	luc
-5	-6.9
-6	-1.0
-7	-1.9
-8	-0.7
-9	-0.1
-10	-0.4
-11	-1.2



AR antagonist assay

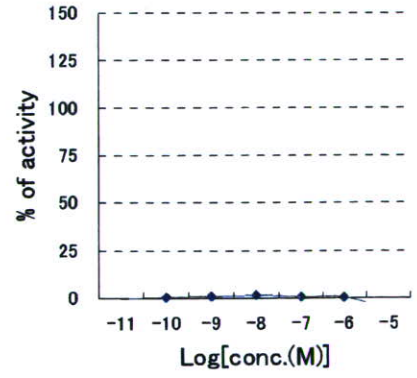
LOG[conc.(M)]	luc	ren
-5	-15	-16
-6	85	106
-7	101	107
-8	104	102
-9	102	96
-10	94	107

Cell viability



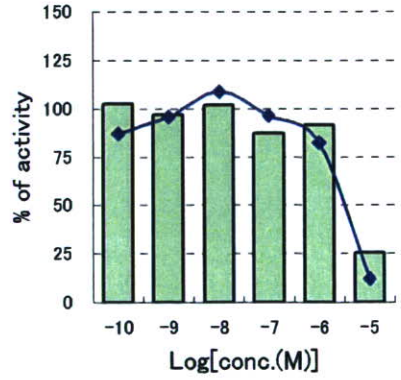
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	-6.4
-6	0.5
-7	1.0
-8	1.8
-9	1.3
-10	0.6
-11	-0.2



TRβ-RXR antagonist assay

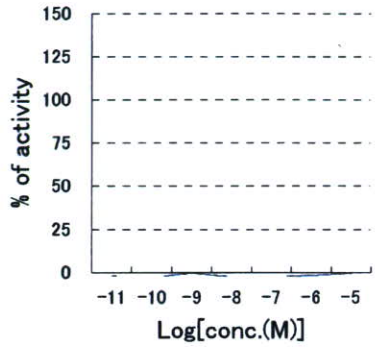
LOG[conc.(M)]	luc	ren
-5	12	26
-6	83	91
-7	96	87
-8	109	102
-9	96	97
-10	87	103



sample No. AT110
chemical name Herniarin
CAS. 531-59-9

AR agonist assay

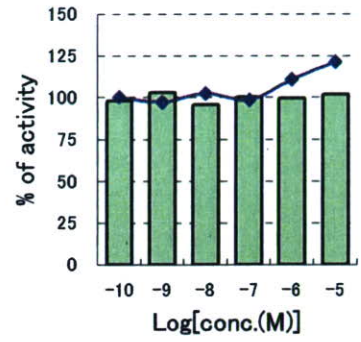
LOG[conc.(M)]	luc
-5	-0.3
-6	-1.4
-7	-2.8
-8	-2.2
-9	-0.5
-10	-2.8
-11	-2.1



AR antagonist assay

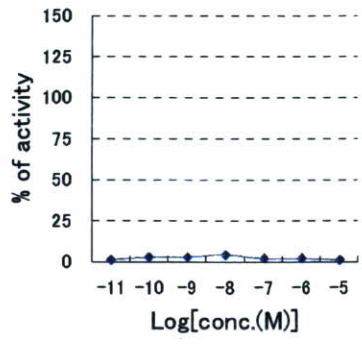
LOG[conc.(M)]	luc	ren
-5	121	102
-6	111	99
-7	99	101
-8	103	96
-9	97	103
-10	100	98

Cell viability



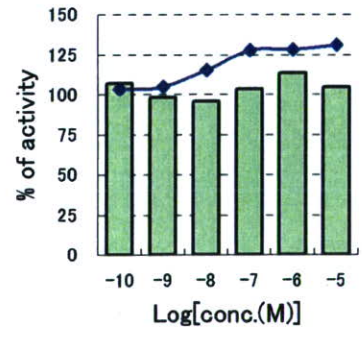
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	1.3
-6	2.4
-7	2.4
-8	4.5
-9	3.1
-10	3.1
-11	1.4



TRβ-RXR antagonist assay

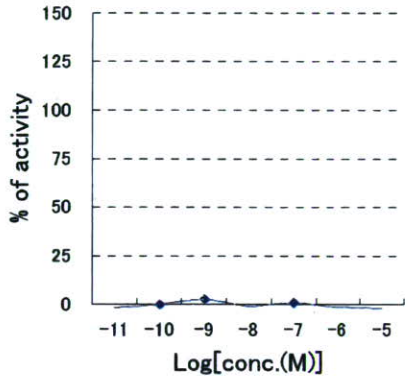
LOG[conc.(M)]	luc	ren
-5	131	105
-6	129	113
-7	128	103
-8	115	96
-9	105	98
-10	104	107



sample No.	AT111
chemical name	O,O-Diethyl O-(3-chloro-4-methyl-2-oxo-2H-1-benzop
CAS.	56-72-4

AR agonist assay

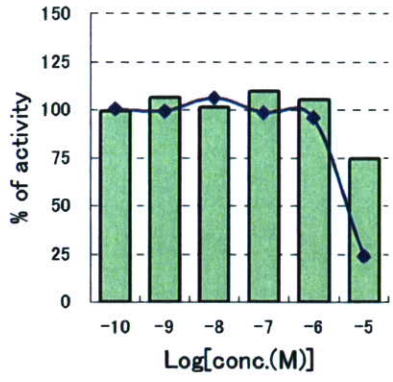
LOG[conc.(M)]	luc
-5	-2.1
-6	-1.5
-7	1.0
-8	-0.8
-9	2.6
-10	0.0
-11	-1.7



AR antagonist assay

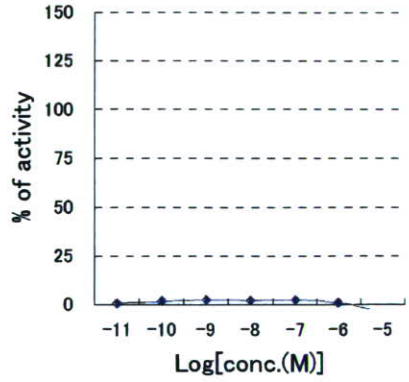
LOG[conc.(M)]	luc	ren
-5	24	74
-6	96	106
-7	99	110
-8	106	101
-9	100	106
-10	100	99

Cell viability



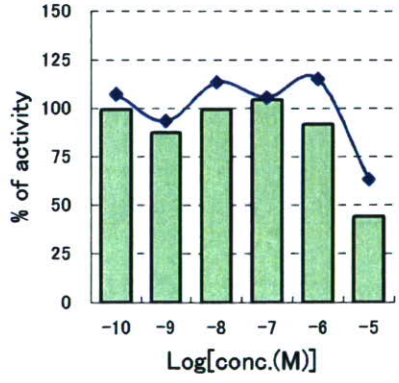
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	-3.7
-6	1.3
-7	2.6
-8	2.2
-9	2.7
-10	2.2
-11	0.8



TRβ-RXR antagonist assay

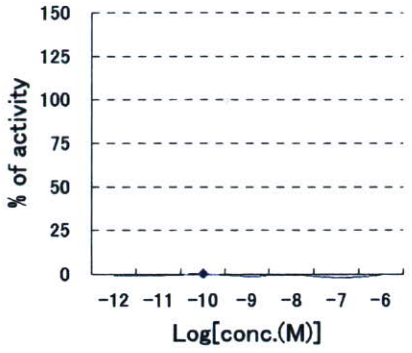
LOG[conc.(M)]	luc	ren
-5	64	44
-6	115	92
-7	106	104
-8	114	99
-9	93	87
-10	107	99



sample No. AT112
chemical name Imidazole-2-thiol, 1-methyl-
CAS. 60-56-0

AR agonist assay

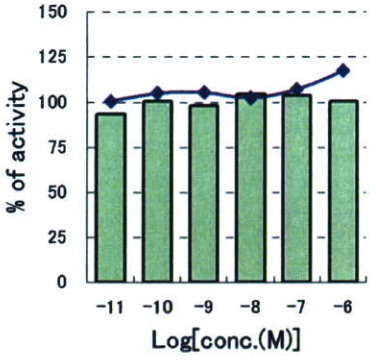
LOG[conc.(M)]	luc
-6	-0.7
-7	-2.1
-8	-0.2
-9	-1.4
-10	0.2
-11	-1.0
-12	-1.0



AR antagonist assay

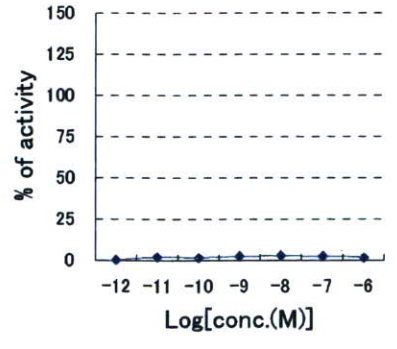
LOG[conc.(M)]	luc	ren
-6	118	101
-7	107	104
-8	103	104
-9	105	98
-10	105	101
-11	101	94

Cell viability



TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-6	1.6
-7	2.8
-8	3.2
-9	2.6
-10	1.6
-11	2.2
-12	0.3



TRβ-RXR antagonist assay

LOG[conc.(M)]	luc	ren
-6	89	117
-7	88	109
-8	86	100
-9	100	96
-10	104	103
-11	104	99