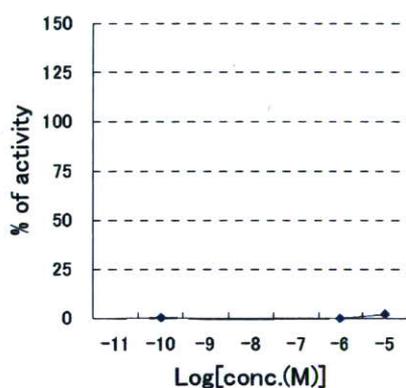


sample No. AT227  
 chemical name WY14643(Pirinixic acid)  
 CAS. 50892-23-4

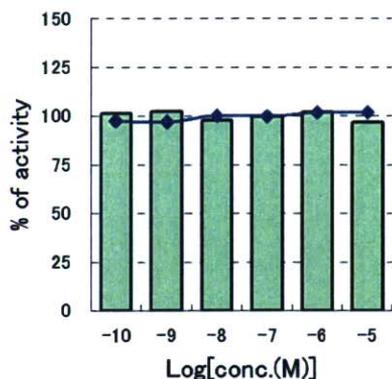
**AR agonist assay**

LOG[conc.(M)]	luc
-5	2.1
-6	0.1
-7	-0.4
-8	-0.4
-9	-0.6
-10	0.3
-11	-0.2



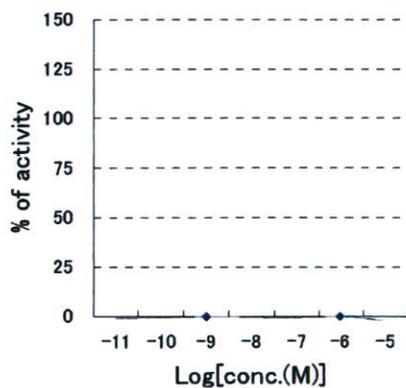
**AR antagonist assay**

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



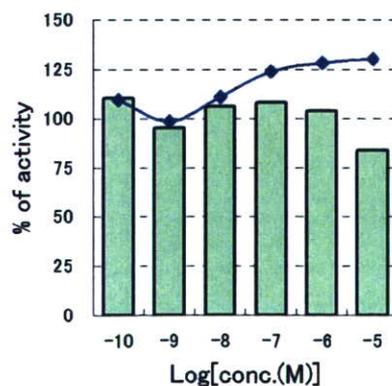
**TRβ-RXR agonist assay**

LOG[conc.(M)]	luc
-5	-2.2
-6	0.1
-7	-0.5
-8	-0.3
-9	-0.1
-10	-0.7
-11	-0.8



**TRβ-RXR antagonist assay**

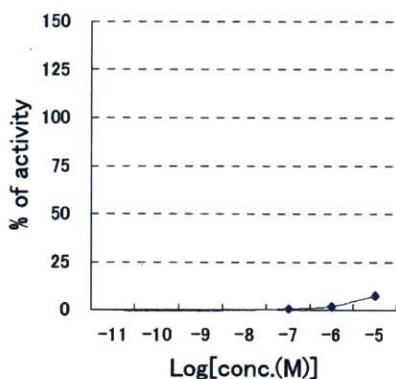
LOG[conc.(M)]	luc	ren
-5	130	84
-6	128	104
-7	124	108
-8	111	106
-9	98	95
-10	109	110



sample No. AT228  
 chemical name 3,6-dihydroxyflavone  
 CAS. 1

**AR agonist assay**

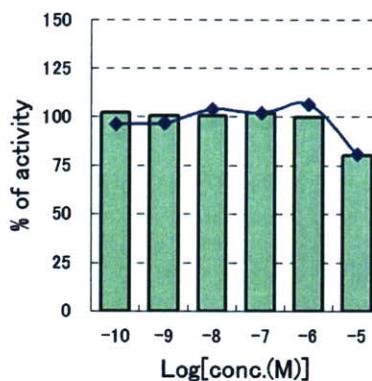
LOG[conc.(M)]	luc
-5	7.2
-6	1.6
-7	0.2
-8	-0.2
-9	-0.6
-10	-0.8
-11	-0.4



**AR antagonist assay**

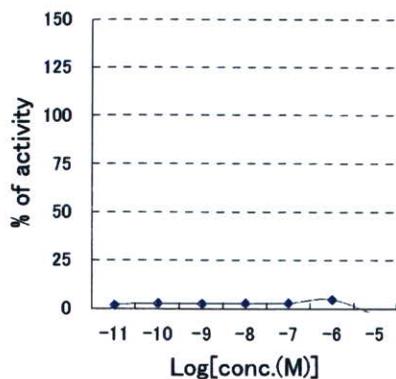
LOG[conc.(M)]	luc	ren
-5	81	80
-6	106	100
-7	102	102
-8	104	101
-9	97	101
-10	96	102

Cell viability



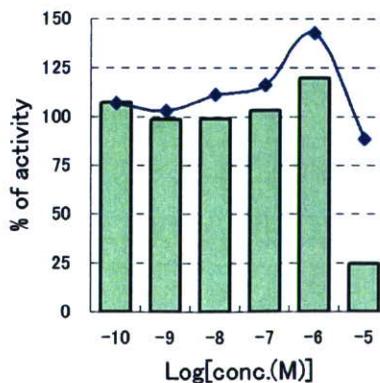
**TRβ-RXR agonist assay**

LOG[conc.(M)]	luc
-5	-3.4
-6	4.6
-7	2.8
-8	2.8
-9	2.4
-10	2.8
-11	1.7



**TRβ-RXR antagonist assay**

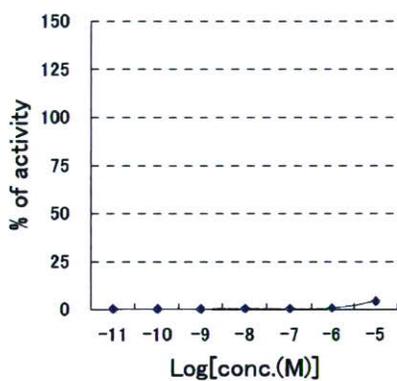
LOG[conc.(M)]	luc	ren
-5	88	25
-6	143	120
-7	116	103
-8	111	99
-9	103	98
-10	107	107



sample No. AT229  
 chemical name Luteolin  
 CAS. 491-70-3

**AR agonist assay**

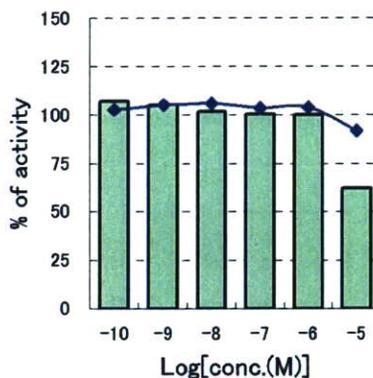
LOG[conc.(M)]	luc
-5	4.2
-6	0.6
-7	0.3
-8	0.3
-9	-0.1
-10	0.0
-11	-0.1



**AR antagonist assay**

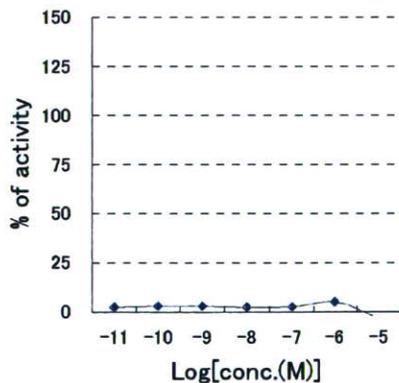
LOG[conc.(M)]	luc	ren
-5	92	62
-6	104	100
-7	103	100
-8	106	102
-9	105	105
-10	103	107

Cell viability



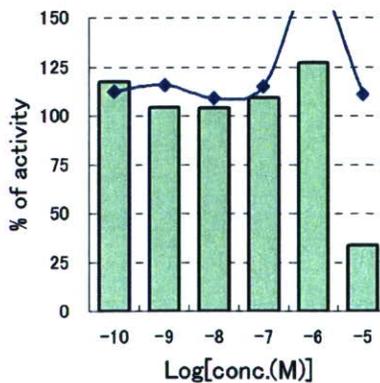
**TRβ-RXR agonist assay**

LOG[conc.(M)]	luc
-5	-3.3
-6	5.0
-7	2.7
-8	2.3
-9	3.1
-10	3.1
-11	2.3



**TRβ-RXR antagonist assay**

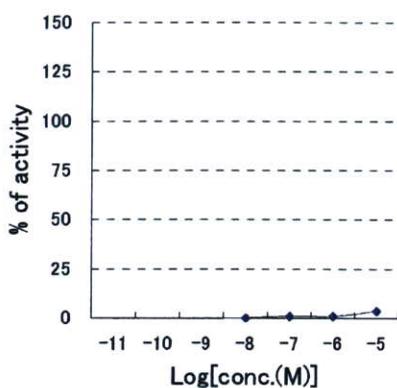
LOG[conc.(M)]	luc	ren
-5	111	34
-6	170	127
-7	115	109
-8	109	104
-9	115	104
-10	112	117



sample No. AT230  
 chemical name Clofibrate  
 CAS. 637-07-0

**AR agonist assay**

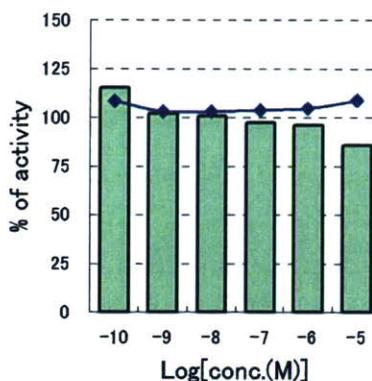
LOG[conc.(M)]	luc
-5	3.4
-6	0.8
-7	0.8
-8	0.0
-9	-0.4
-10	-0.3
-11	-0.2



**AR antagonist assay**

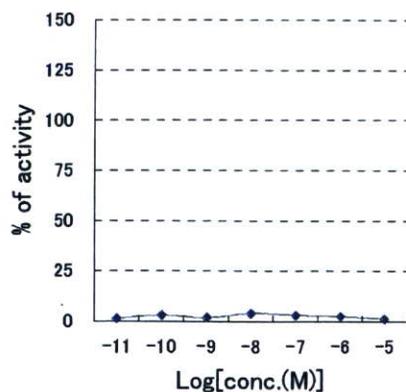
LOG[conc.(M)]	luc	ren
-5	109	86
-6	105	96
-7	104	98
-8	103	101
-9	103	102
-10	109	115

Cell viability



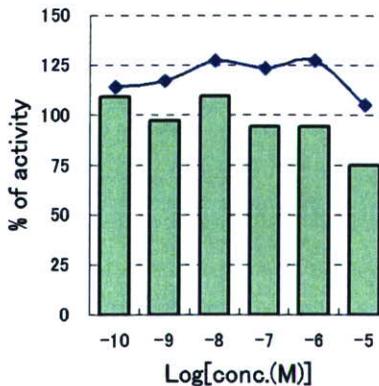
**TRβ-RXR agonist assay**

LOG[conc.(M)]	luc
-5	1.0
-6	2.6
-7	3.3
-8	4.0
-9	2.0
-10	3.3
-11	1.6



**TRβ-RXR antagonist assay**

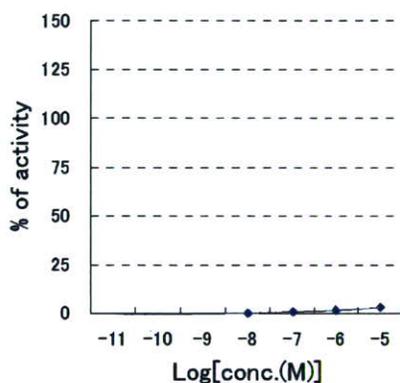
LOG[conc.(M)]	luc	ren
-5	105	75
-6	127	94
-7	124	94
-8	127	110
-9	117	97
-10	114	109



sample No. AT231  
 chemical name Mono-2-ethylhexyl Phthalate  
 CAS. 4376-20-9

**AR agonist assay**

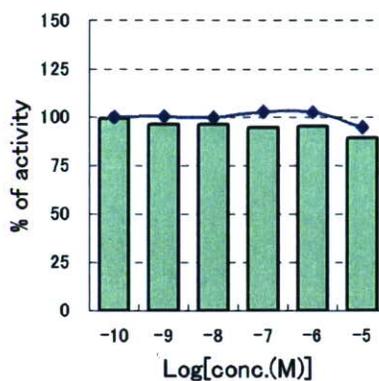
LOG[conc.(M)]	luc
-5	3.1
-6	1.6
-7	0.5
-8	0.1
-9	-0.4
-10	-0.5
-11	-0.4



**AR antagonist assay**

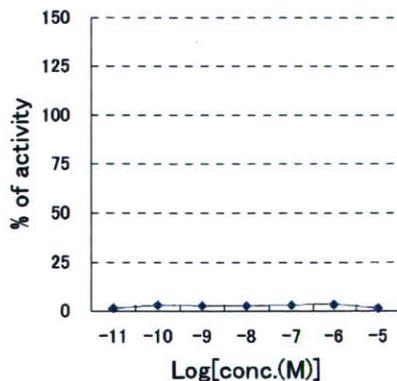
LOG[conc.(M)]	luc	ren
-5	95	89
-6	102	95
-7	103	95
-8	100	97
-9	100	96
-10	100	99

Cell viability



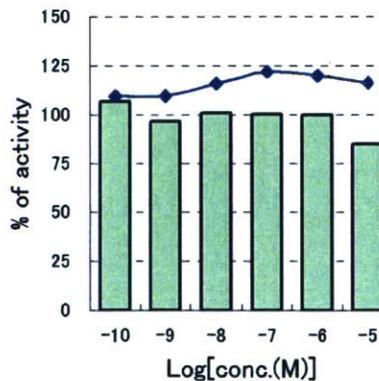
**TRβ-RXR agonist assay**

LOG[conc.(M)]	luc
-5	1.0
-6	3.2
-7	3.0
-8	2.8
-9	2.5
-10	2.8
-11	1.5



**TRβ-RXR antagonist assay**

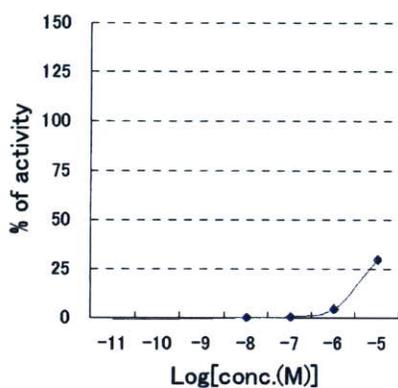
LOG[conc.(M)]	luc	ren
-5	116	85
-6	120	100
-7	122	100
-8	116	101
-9	109	96
-10	109	107



sample No. AT232  
 chemical name 6,7-dihydroxyflavone  
 CAS. 38183-04-9

**AR agonist assay**

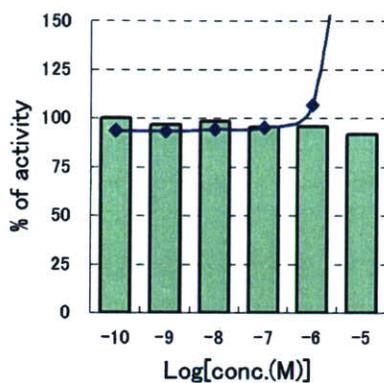
LOG[conc.(M)]	luc
-5	29.7
-6	4.4
-7	0.2
-8	-0.1
-9	-0.5
-10	-0.7
-11	-1.0



**AR antagonist assay**

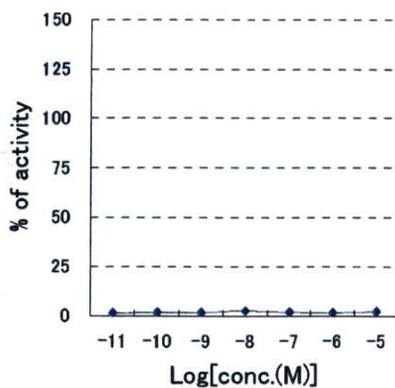
LOG[conc.(M)]	luc	ren
-5	287	92
-6	107	96
-7	95	95
-8	94	98
-9	93	96
-10	93	100

Cell viability



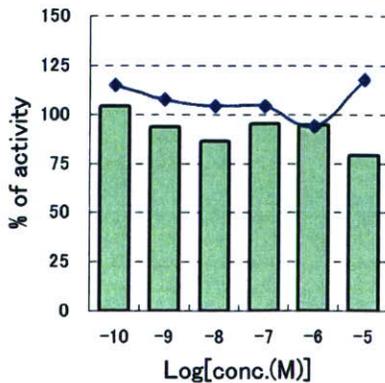
**TRβ-RXR agonist assay**

LOG[conc.(M)]	luc
-5	2.2
-6	1.9
-7	2.1
-8	2.5
-9	1.8
-10	1.9
-11	1.4



**TRβ-RXR antagonist assay**

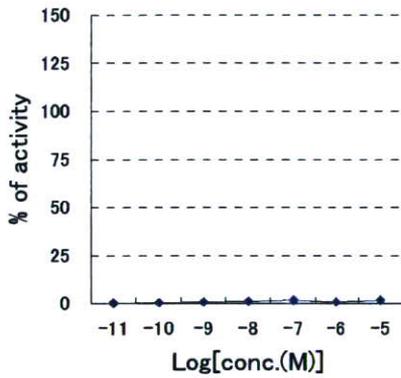
LOG[conc.(M)]	luc	ren
-5	118	79
-6	94	94
-7	104	95
-8	104	86
-9	107	93
-10	115	104



sample No. AT233  
 chemical name Di-i-propyl phthalate  
 CAS. 605-45-8

**AR agonist assay**

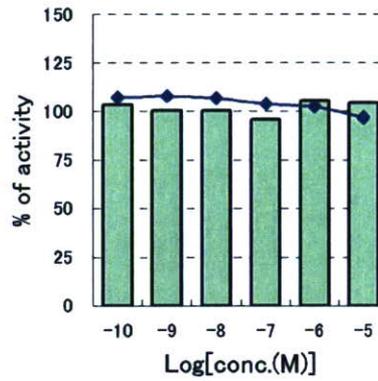
LOG[conc.(M)]	luc
-5	1.4
-6	0.5
-7	1.5
-8	1.0
-9	0.5
-10	0.3
-11	0.0



**AR antagonist assay**

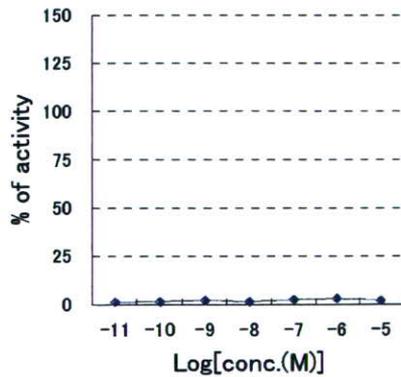
LOG[conc.(M)]	luc	ren
-5	97	105
-6	102	106
-7	104	96
-8	107	101
-9	108	100
-10	107	104

Cell viability



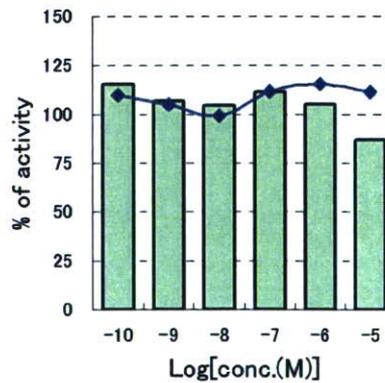
**TRβ-RXR agonist assay**

LOG[conc.(M)]	luc
-5	1.9
-6	2.9
-7	2.5
-8	1.6
-9	2.0
-10	1.5
-11	1.3



**TRβ-RXR antagonist assay**

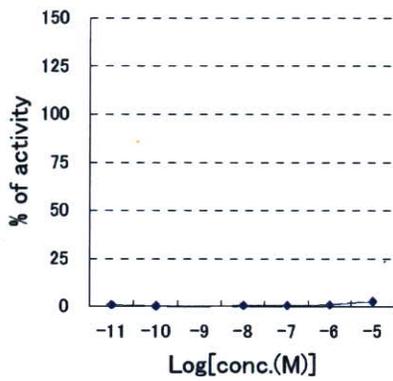
LOG[conc.(M)]	luc	ren
-5	111	87
-6	115	105
-7	112	111
-8	99	104
-9	105	107
-10	110	115



sample No. AT234  
 chemical name 2-Naphthalenecarboxamide, 1-hydroxy-N-(2-(tetradecyloxy)phenyl)-  
 CAS. 39163-92-3

**AR agonist assay**

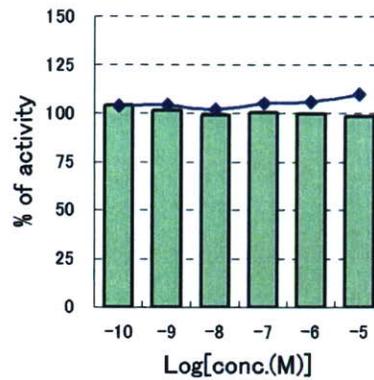
LOG[conc.(M)]	luc
-5	2.4
-6	0.7
-7	0.3
-8	0.2
-9	-0.2
-10	-0.1
-11	0.5



**AR antagonist assay**

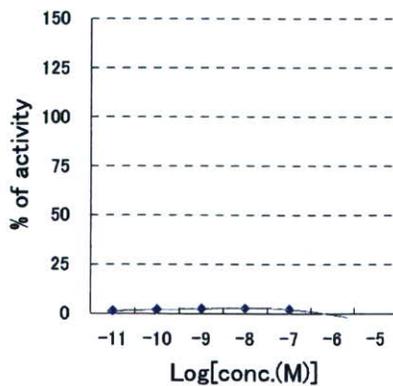
LOG[conc.(M)]	luc	ren
-5	110	98
-6	106	99
-7	105	101
-8	102	99
-9	104	101
-10	104	104

Cell viability



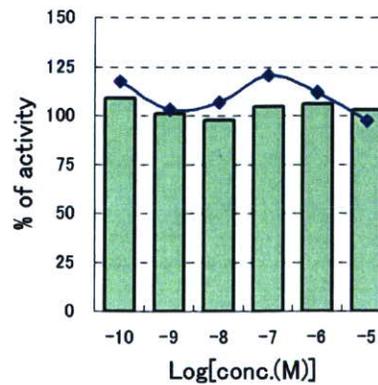
**TRβ-RXR agonist assay**

LOG[conc.(M)]	luc
-5	-5.5
-6	-0.6
-7	2.2
-8	2.7
-9	2.2
-10	2.1
-11	1.5



**TRβ-RXR antagonist assay**

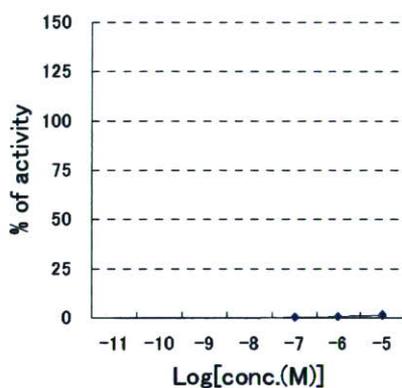
LOG[conc.(M)]	luc	ren
-5	97	103
-6	111	106
-7	120	104
-8	106	98
-9	103	101
-10	117	109



sample No. AT235  
 chemical name Anethole  
 CAS. 4180-23-8

**AR agonist assay**

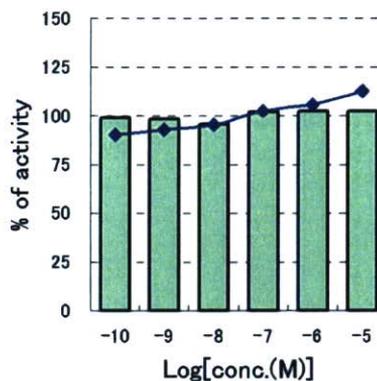
LOG[conc.(M)]	luc
-5	1.5
-6	0.5
-7	0.3
-8	-0.2
-9	-0.4
-10	-0.4
-11	-0.3



**AR antagonist assay**

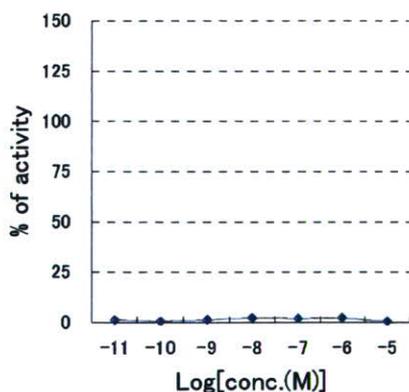
LOG[conc.(M)]	luc	ren
-5	113	102
-6	106	103
-7	103	102
-8	95	96
-9	93	98
-10	90	99

Cell viability



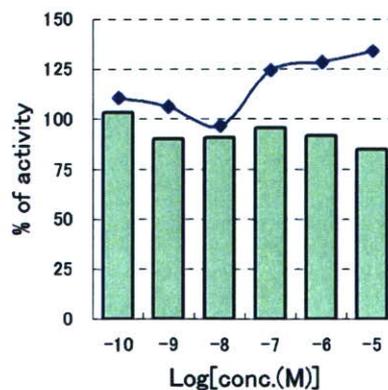
**TRβ-RXR agonist assay**

LOG[conc.(M)]	luc
-5	0.6
-6	2.4
-7	1.9
-8	2.2
-9	1.4
-10	0.7
-11	1.3



**TRβ-RXR antagonist assay**

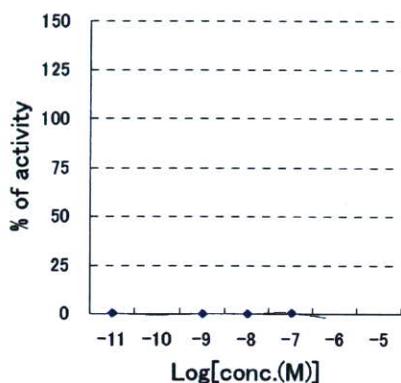
LOG[conc.(M)]	luc	ren
-5	134	85
-6	128	92
-7	124	96
-8	97	91
-9	106	90
-10	111	104



sample No. AT236  
 chemical name Brodifacoum  
 CAS. 56073-10-0

**AR agonist assay**

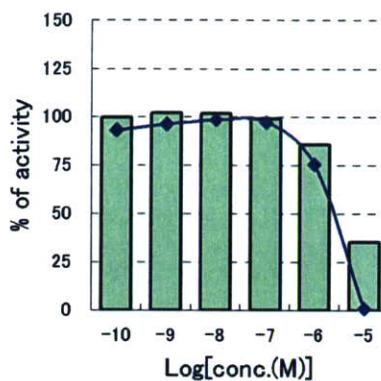
LOG[conc.(M)]	luc
-5	-11.6
-6	-3.1
-7	0.3
-8	0.0
-9	0.0
-10	-0.4
-11	0.2



**AR antagonist assay**

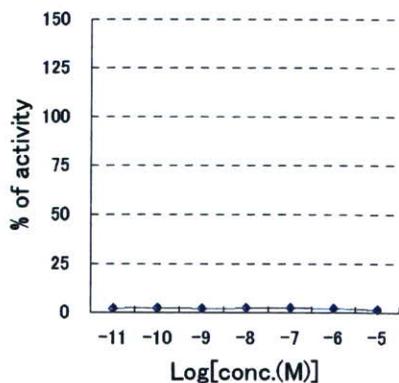
LOG[conc.(M)]	luc	ren
-5	1	35
-6	75	86
-7	97	99
-8	98	102
-9	96	102
-10	93	99

Cell viability



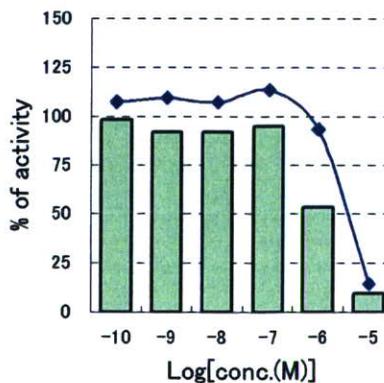
**TRβ-RXR agonist assay**

LOG[conc.(M)]	luc
-5	1.5
-6	1.9
-7	2.4
-8	2.4
-9	2.0
-10	2.5
-11	2.0



**TRβ-RXR antagonist assay**

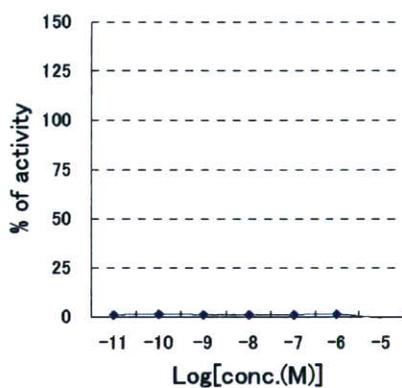
LOG[conc.(M)]	luc	ren
-5	14	9
-6	93	53
-7	113	95
-8	107	92
-9	109	92
-10	107	98



sample No. AT237  
 chemical name Isopropalin  
 CAS. 33820-53-0

**AR agonist assay**

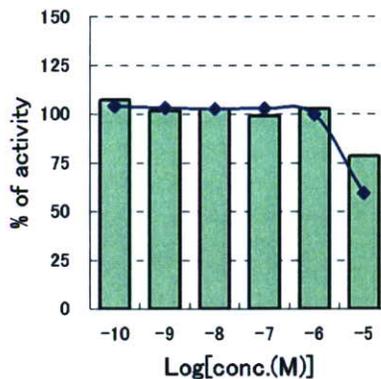
LOG[conc.(M)]	luc
-5	-0.5
-6	1.3
-7	0.8
-8	1.0
-9	0.8
-10	1.1
-11	0.9



**AR antagonist assay**

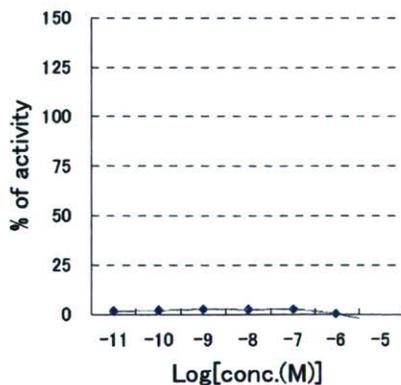
LOG[conc.(M)]	luc	ren
-5	59	78
-6	99	103
-7	103	99
-8	102	102
-9	103	102
-10	104	107

Cell viability



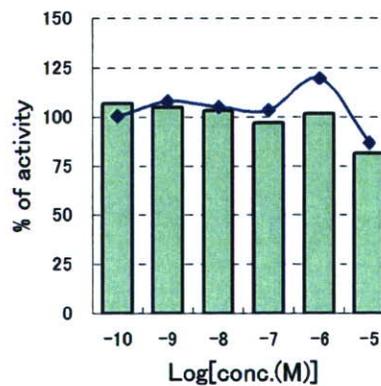
**TRβ-RXR agonist assay**

LOG[conc.(M)]	luc
-5	-5.1
-6	0.3
-7	2.7
-8	2.2
-9	2.7
-10	2.0
-11	1.9



**TRβ-RXR antagonist assay**

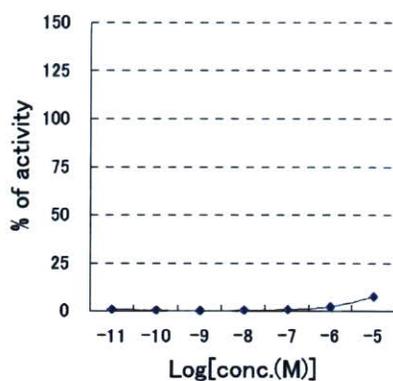
LOG[conc.(M)]	luc	ren
-5	87	81
-6	119	101
-7	103	97
-8	105	103
-9	108	105
-10	100	107



sample No. AT238  
 chemical name Difenoxuron  
 CAS. 14214-32-5

**AR agonist assay**

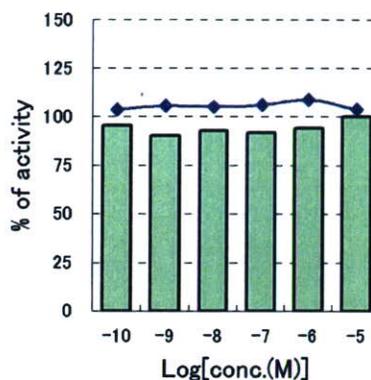
LOG[conc.(M)]	luc
-5	7.6
-6	2.0
-7	0.7
-8	0.3
-9	-0.1
-10	0.4
-11	0.5



**AR antagonist assay**

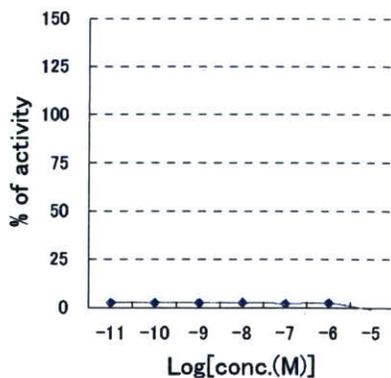
LOG[conc.(M)]	luc	ren
-5	104	100
-6	109	94
-7	106	92
-8	105	93
-9	106	90
-10	104	95

Cell viability



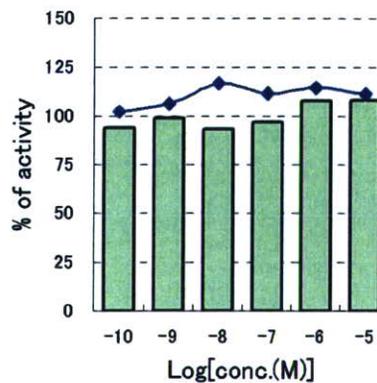
**TRβ-RXR agonist assay**

LOG[conc.(M)]	luc
-5	-0.8
-6	2.4
-7	2.1
-8	2.8
-9	2.5
-10	2.3
-11	2.3



**TRβ-RXR antagonist assay**

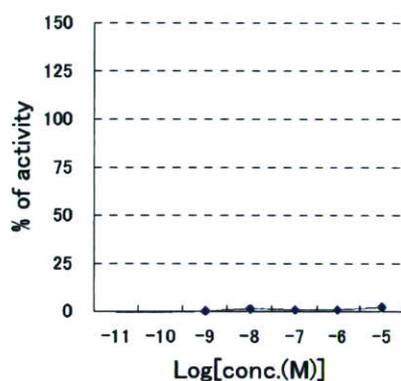
LOG[conc.(M)]	luc	ren
-5	111	108
-6	114	108
-7	111	97
-8	117	93
-9	106	99
-10	102	94



sample No. AT239  
 chemical name Tralkoxydim  
 CAS. 87820-88-0

**AR agonist assay**

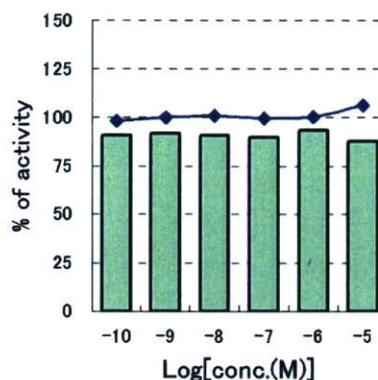
LOG[conc.(M)]	luc
-5	2.2
-6	0.7
-7	0.5
-8	1.2
-9	0.1
-10	-0.7
-11	-0.5



**AR antagonist assay**

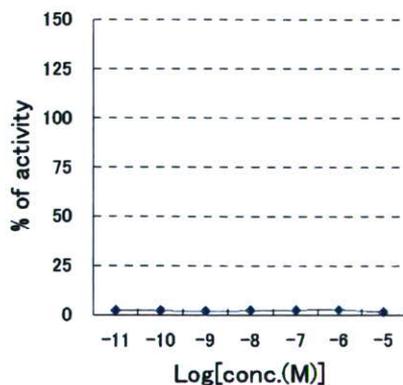
LOG[conc.(M)]	luc	ren
-5	106	88
-6	100	93
-7	99	90
-8	101	91
-9	100	92
-10	98	91

Cell viability



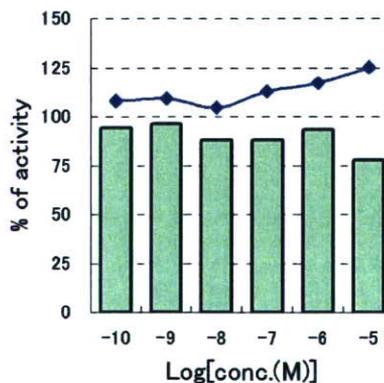
**TRβ-RXR agonist assay**

LOG[conc.(M)]	luc
-5	1.4
-6	2.7
-7	2.5
-8	2.5
-9	2.1
-10	2.2
-11	2.3



**TRβ-RXR antagonist assay**

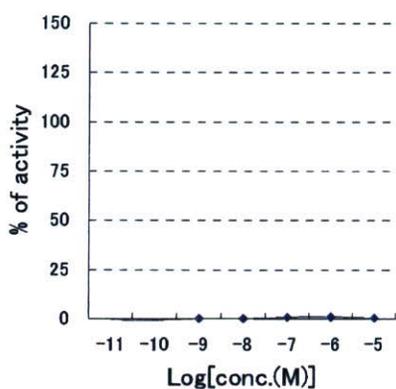
LOG[conc.(M)]	luc	ren
-5	125	78
-6	117	93
-7	113	88
-8	104	88
-9	109	96
-10	108	94



sample No. AT240  
 chemical name Resmethrin  
 CAS. 10453-86-8

**AR agonist assay**

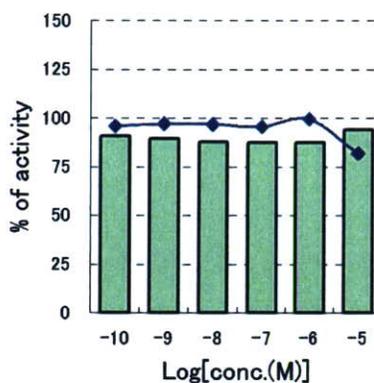
LOG[conc.(M)]	luc
-5	0.2
-6	0.9
-7	0.6
-8	0.0
-9	0.0
-10	-0.9
-11	-0.7



**AR antagonist assay**

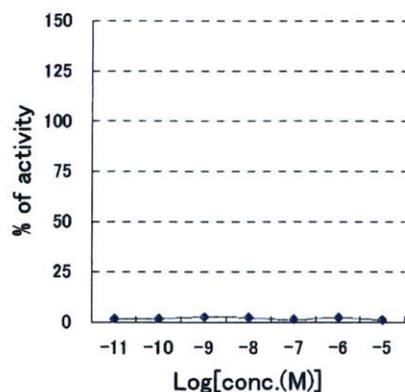
LOG[conc.(M)]	luc	ren
-5	82	94
-6	99	88
-7	96	88
-8	97	88
-9	97	89
-10	96	91

Cell viability



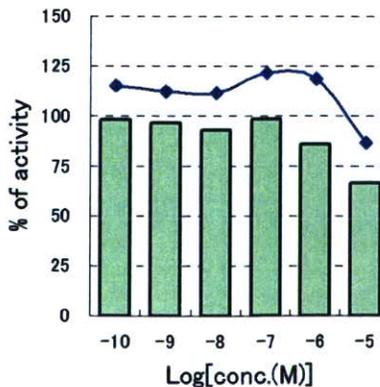
**TRβ-RXR agonist assay**

LOG[conc.(M)]	luc
-5	1.0
-6	2.2
-7	1.5
-8	2.3
-9	2.5
-10	1.7
-11	1.8



**TRβ-RXR antagonist assay**

LOG[conc.(M)]	luc	ren
-5	86	67
-6	119	86
-7	122	99
-8	111	93
-9	112	97
-10	115	98



測定結果 一覧

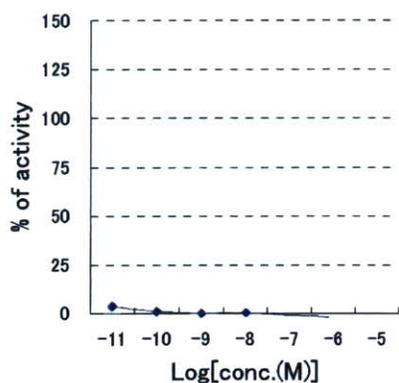
AR レポータージーンアッセイ

10 物質  
(AR241～AR250)

sample No. AR241  
 chemical name Cycloheximide  
 CAS. 66-81-9

**AR agonist assay**

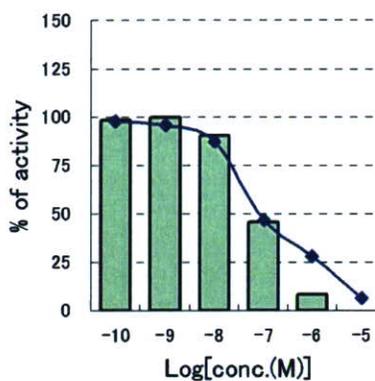
LOG[conc.(M)]	luc
-5	-8.4
-6	-2.6
-7	-0.8
-8	0.2
-9	0.1
-10	0.9
-11	3.6



**AR antagonist assay**

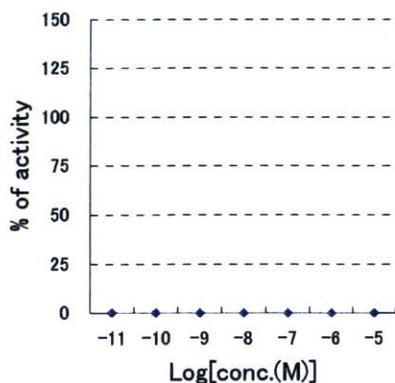
LOG[conc.(M)]	luc	ren
-5	6	-4
-6	28	8
-7	47	46
-8	87	90
-9	96	99
-10	98	98

Cell viability



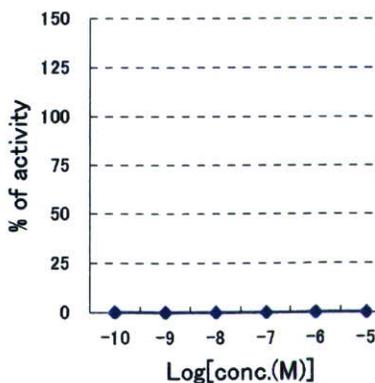
**TRβ-RXR agonist assay**

LOG[conc.(M)]	luc
-5	0.0
-6	0.0
-7	0.0
-8	0.0
-9	0.0
-10	0.0
-11	0.0



**TRβ-RXR antagonist assay**

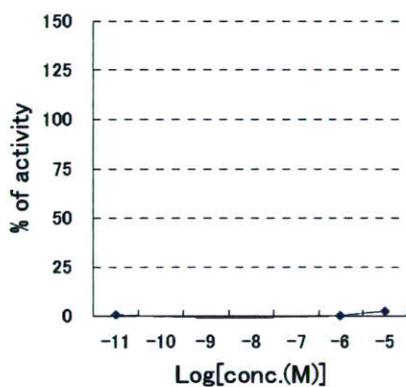
LOG[conc.(M)]	luc	ren
-5	0	0
-6	0	0
-7	0	0
-8	0	0
-9	0	0
-10	0	0



sample No. AR242  
 chemical name Sulpiride  
 CAS. 15676-16-1

**AR agonist assay**

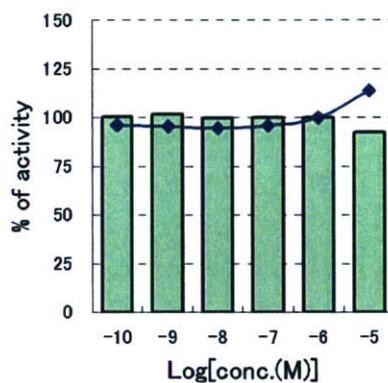
LOG[conc.(M)]	luc
-5	2.4
-6	0.0
-7	-0.6
-8	-0.9
-9	-0.8
-10	-0.3
-11	0.7



**AR antagonist assay**

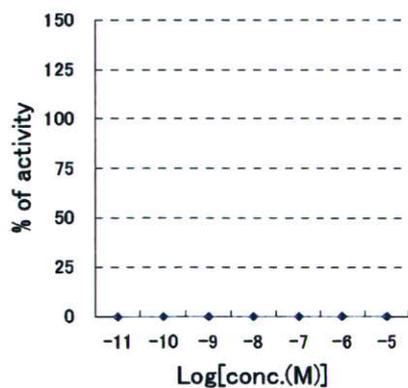
LOG[conc.(M)]	luc	ren
-5	114	92
-6	100	100
-7	96	100
-8	95	99
-9	95	102
-10	96	101

Cell viability



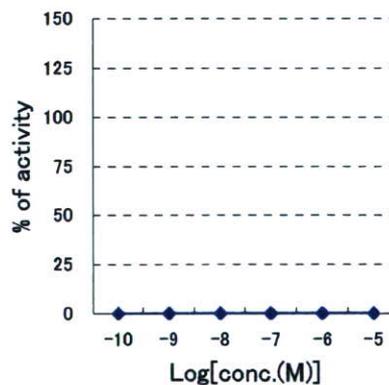
**TRβ-RXR agonist assay**

LOG[conc.(M)]	luc
-5	0.0
-6	0.0
-7	0.0
-8	0.0
-9	0.0
-10	0.0
-11	0.0



**TRβ-RXR antagonist assay**

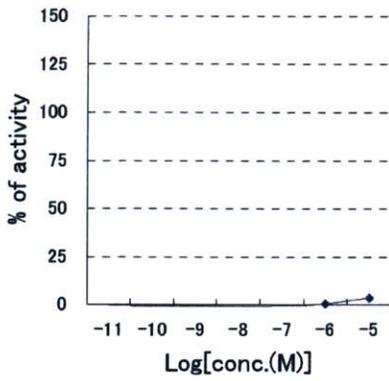
LOG[conc.(M)]	luc	ren
-5	0	0
-6	0	0
-7	0	0
-8	0	0
-9	0	0
-10	0	0



sample No. AR243  
 chemical name Santoflex 13  
 CAS. 793-24-8

**AR agonist assay**

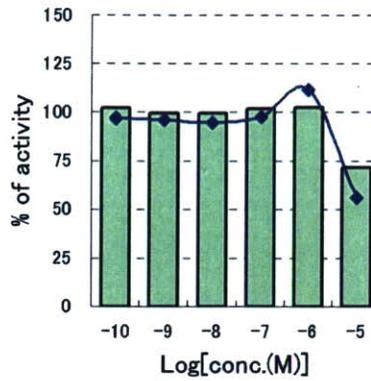
LOG[conc.(M)]	luc
-5	3.2
-6	0.3
-7	-1.1
-8	-1.2
-9	-1.1
-10	-1.2
-11	-0.9



**AR antagonist assay**

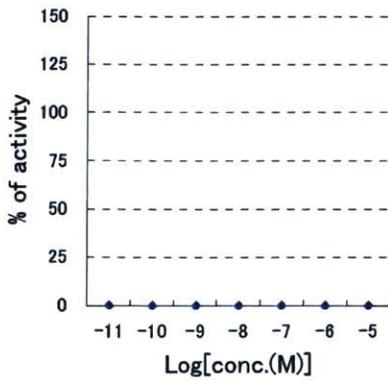
LOG[conc.(M)]	luc	ren
-5	56	72
-6	112	103
-7	98	102
-8	95	99
-9	96	99
-10	97	102

Cell viability



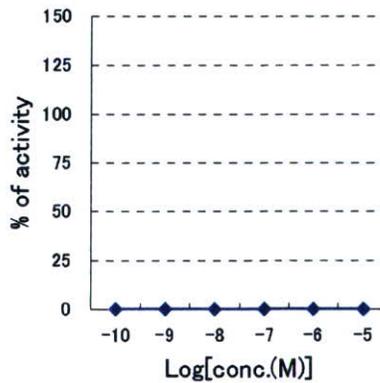
**TRβ-RXR agonist assay**

LOG[conc.(M)]	luc
-5	0.0
-6	0.0
-7	0.0
-8	0.0
-9	0.0
-10	0.0
-11	0.0



**TRβ-RXR antagonist assay**

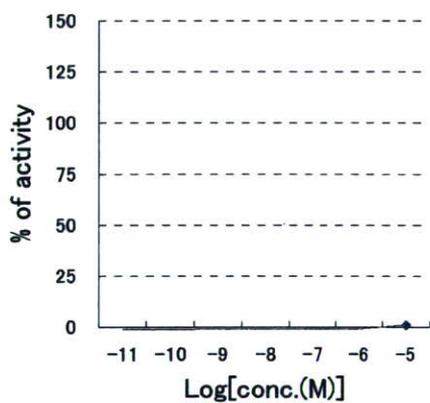
LOG[conc.(M)]	luc	ren
-5	0	0
-6	0	0
-7	0	0
-8	0	0
-9	0	0
-10	0	0



sample No. AR244  
 chemical name Citronellyl isobutyrate  
 CAS. 97-89-2

**AR agonist assay**

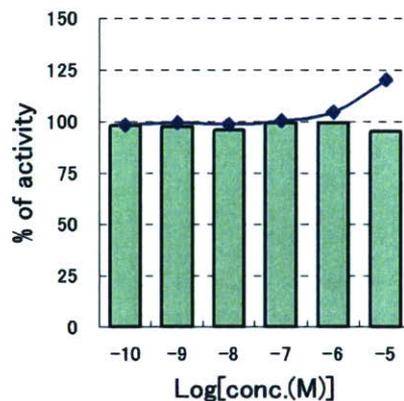
LOG[conc.(M)]	luc
-5	1.0
-6	-0.9
-7	-0.9
-8	-1.0
-9	-1.0
-10	-1.1
-11	-1.6



**AR antagonist assay**

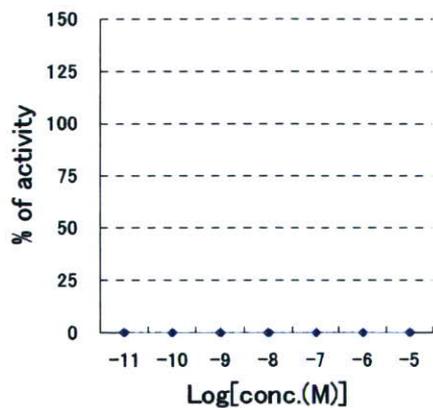
LOG[conc.(M)]	luc	ren
-5	120	95
-6	105	99
-7	100	99
-8	98	96
-9	99	97
-10	98	98

Cell viability



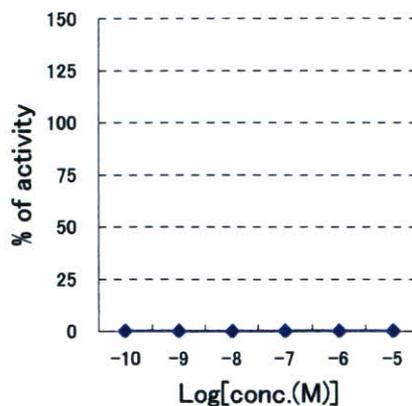
**TRβ-RXR agonist assay**

LOG[conc.(M)]	luc
-5	0.0
-6	0.0
-7	0.0
-8	0.0
-9	0.0
-10	0.0
-11	0.0



**TRβ-RXR antagonist assay**

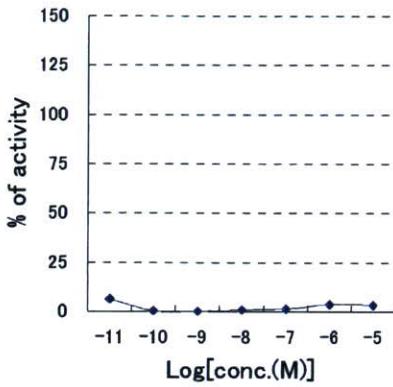
LOG[conc.(M)]	luc	ren
-5	0	0
-6	0	0
-7	0	0
-8	0	0
-9	0	0
-10	0	0



sample No. AR245  
 chemical name Phenol, 2-methoxy-4-propenyl-, acetate  
 CAS. 93-29-8

**AR agonist assay**

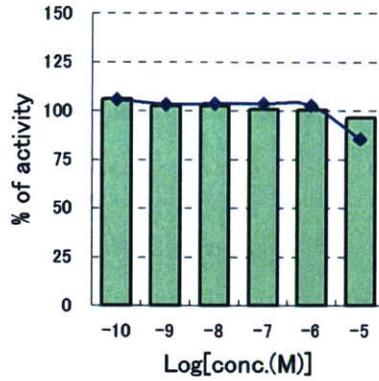
LOG[conc.(M)]	luc
-5	3.3
-6	3.6
-7	1.2
-8	0.6
-9	0.0
-10	0.4
-11	6.4



**AR antagonist assay**

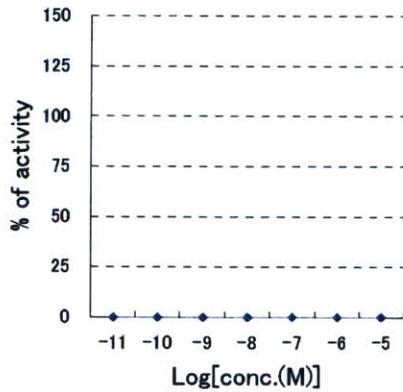
LOG[conc.(M)]	luc	ren
-5	85	96
-6	103	101
-7	103	101
-8	103	103
-9	103	102
-10	106	106

Cell viability



**TRβ-RXR agonist assay**

LOG[conc.(M)]	luc
-5	0.0
-6	0.0
-7	0.0
-8	0.0
-9	0.0
-10	0.0
-11	0.0



**TRβ-RXR antagonist assay**

LOG[conc.(M)]	luc	ren
-5	0	0
-6	0	0
-7	0	0
-8	0	0
-9	0	0
-10	0	0

