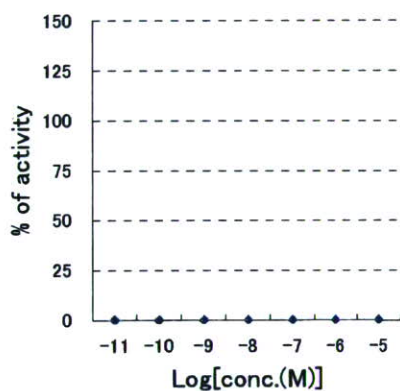


sample No. TR141
 chemical name Phenol, 4,4'-thiodi-
 CAS. 2664-63-3

AR agonist assay

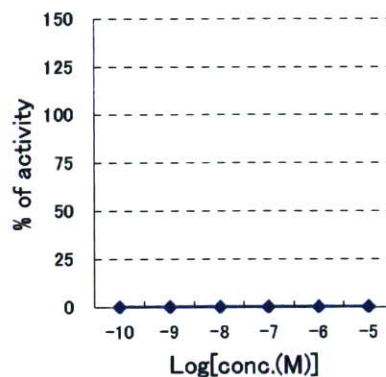
LOG[conc.(M)]	luc
-5	0.0
-6	0.0
-7	0.0
-8	0.0
-9	0.0
-10	0.0
-11	0.0



AR antagonist assay

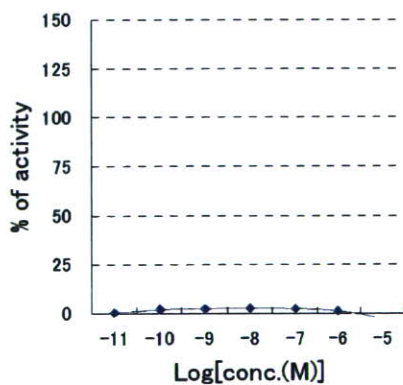
LOG[conc.(M)]	luc	ren
-5	0	0
-6	0	0
-7	0	0
-8	0	0
-9	0	0
-10	0	0

Cell viability



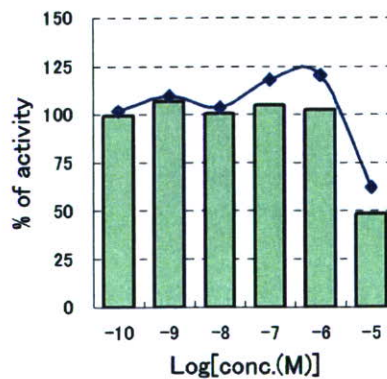
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	-2.9
-6	1.3
-7	2.5
-8	2.7
-9	2.3
-10	2.0
-11	0.4



TRβ-RXR antagonist assay

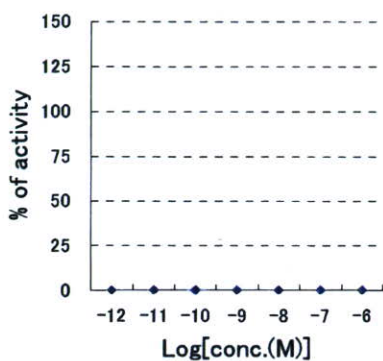
LOG[conc.(M)]	luc	ren
-5	62	48
-6	120	102
-7	118	105
-8	103	100
-9	109	106
-10	101	99



sample No. TR142
 chemical name Resorcinol, 4-(2-pyridylazo)-
 CAS. 1141-59-9

AR agonist assay

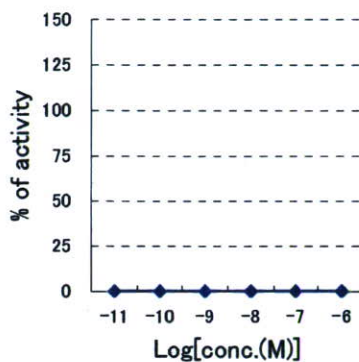
LOG[conc.(M)]	luc
-6	0.0
-7	0.0
-8	0.0
-9	0.0
-10	0.0
-11	0.0
-12	0.0



AR antagonist assay

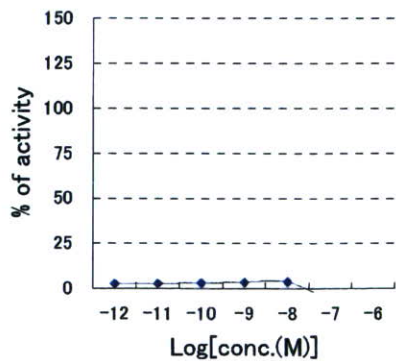
LOG[conc.(M)]	luc	ren
-6	0	0
-7	0	0
-8	0	0
-9	0	0
-10	0	0
-11	0	0

Cell viability



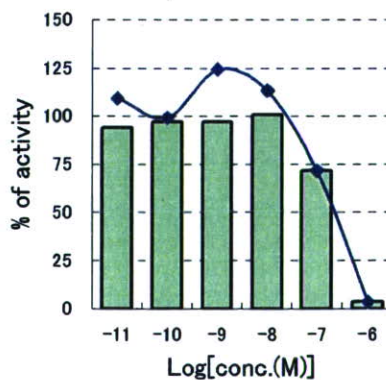
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-6	-8.7
-7	-5.8
-8	3.4
-9	3.2
-10	3.0
-11	2.6
-12	2.6



TRβ-RXR antagonist assay

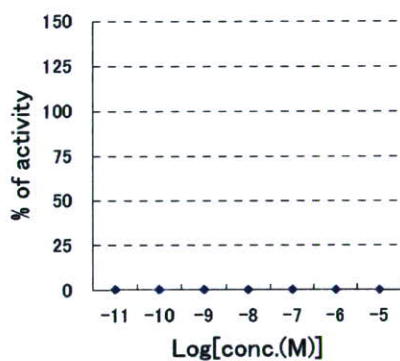
LOG[conc.(M)]	luc	ren
-6	3	4
-7	71	71
-8	113	101
-9	124	97
-10	99	97
-11	109	94



sample No. TR143
 chemical name Benzophenone
 CAS. 119-61-9

AR agonist assay

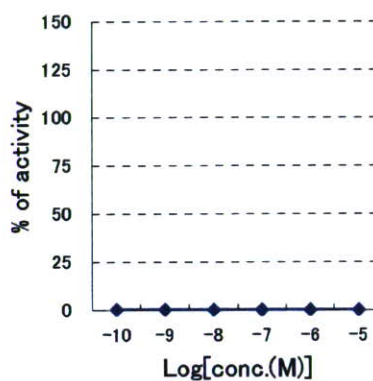
LOG[conc.(M)]	luc
-5	0.0
-6	0.0
-7	0.0
-8	0.0
-9	0.0
-10	0.0
-11	0.0



AR antagonist assay

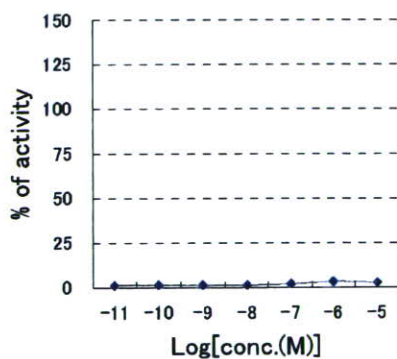
LOG[conc.(M)]	luc	ren
-5	0	0
-6	0	0
-7	0	0
-8	0	0
-9	0	0
-10	0	0

Cell viability



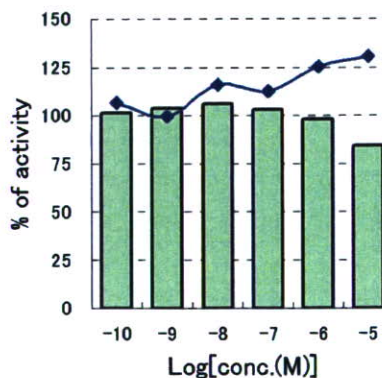
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	2.5
-6	3.2
-7	2.1
-8	1.4
-9	1.3
-10	1.2
-11	1.1



TRβ-RXR antagonist assay

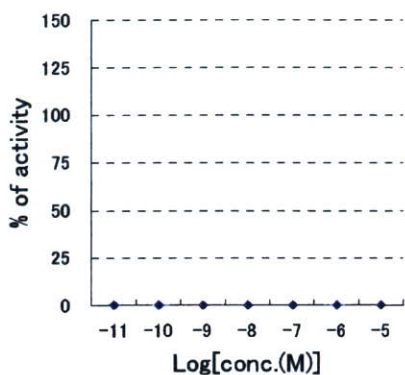
LOG[conc.(M)]	luc	ren
-5	130	84
-6	125	98
-7	112	103
-8	116	106
-9	99	104
-10	106	101



sample No. TR144
 chemical name Benzophenone, 4,4'-dihydroxy-
 CAS. 611-99-4

AR agonist assay

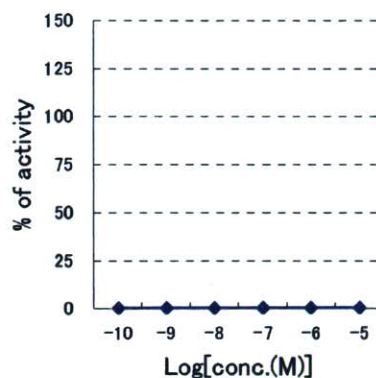
LOG[conc.(M)]	luc
-5	0.0
-6	0.0
-7	0.0
-8	0.0
-9	0.0
-10	0.0
-11	0.0



AR antagonist assay

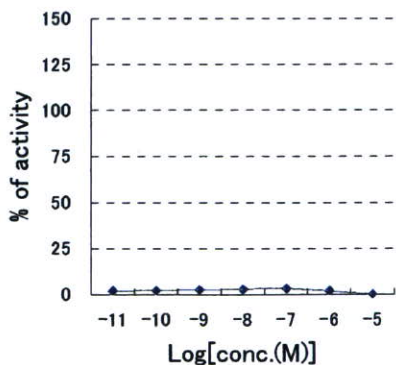
LOG[conc.(M)]	luc	ren
-5	0	0
-6	0	0
-7	0	0
-8	0	0
-9	0	0
-10	0	0

Cell viability



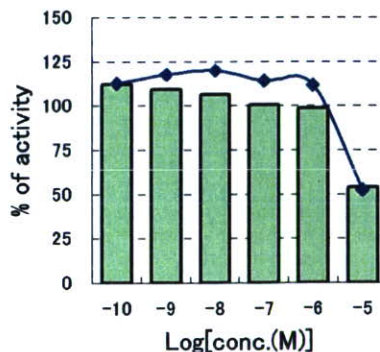
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	0.1
-6	2.0
-7	3.3
-8	2.7
-9	2.6
-10	2.3
-11	1.7



TRβ-RXR antagonist assay

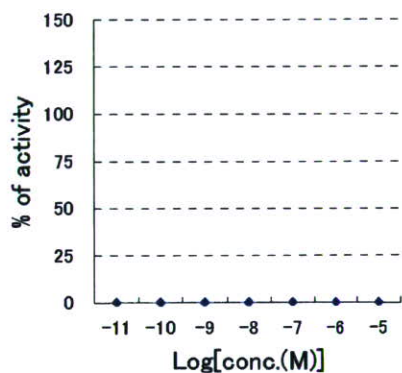
LOG[conc.(M)]	luc	ren
-5	52	54
-6	112	99
-7	114	100
-8	120	106
-9	117	109
-10	112	112



sample No. TR145
 chemical name BENZOESORCINOL
 CAS. 131-56-6

AR agonist assay

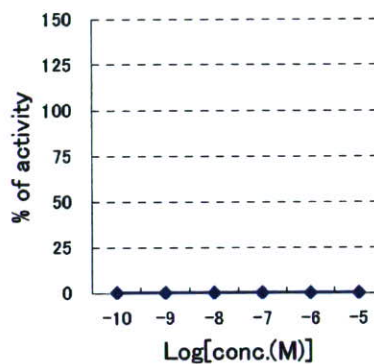
LOG[conc.(M)]	luc
-5	0.0
-6	0.0
-7	0.0
-8	0.0
-9	0.0
-10	0.0
-11	0.0



AR antagonist assay

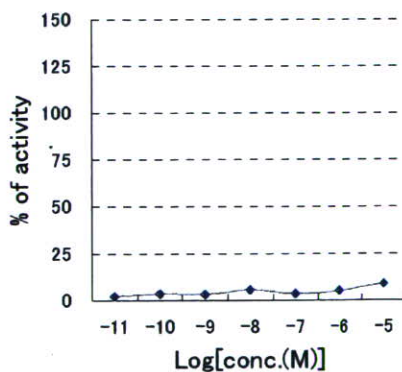
LOG[conc.(M)]	luc	ren
-5	0	0
-6	0	0
-7	0	0
-8	0	0
-9	0	0
-10	0	0

Cell viability



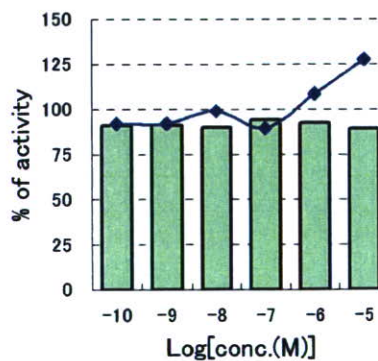
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	8.7
-6	5.0
-7	3.4
-8	5.5
-9	3.2
-10	3.3
-11	2.1



TRβ-RXR antagonist assay

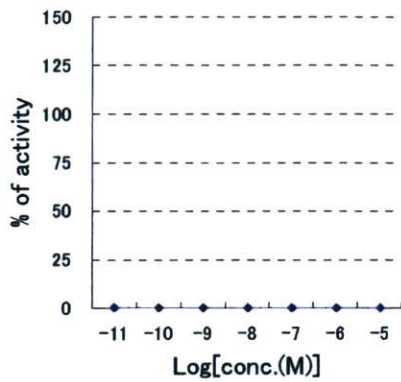
LOG[conc.(M)]	luc	ren
-5	127	89
-6	108	92
-7	89	94
-8	99	90
-9	92	91
-10	92	91



sample No. TR146
 chemical name Phenol, p-tert-butyl-
 CAS. 98-54-4

AR agonist assay

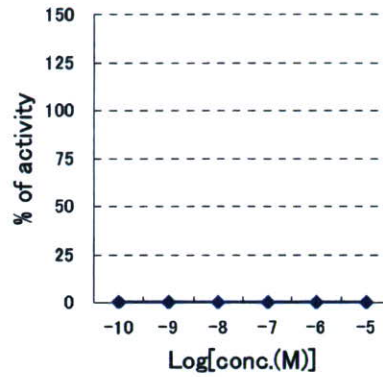
LOG[conc.(M)]	luc
-5	0.0
-6	0.0
-7	0.0
-8	0.0
-9	0.0
-10	0.0
-11	0.0



AR antagonist assay

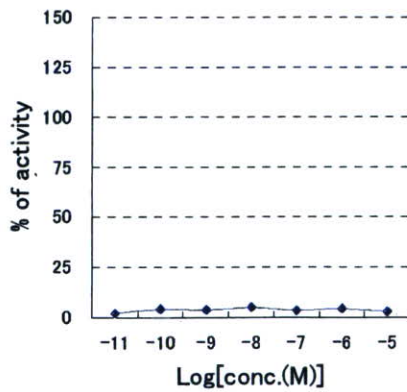
LOG[conc.(M)]	luc	ren
-5	0	0
-6	0	0
-7	0	0
-8	0	0
-9	0	0
-10	0	0

Cell viability



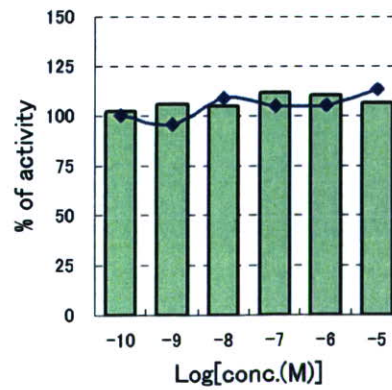
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	2.8
-6	4.3
-7	3.5
-8	5.0
-9	3.7
-10	3.9
-11	2.1



TRβ-RXR antagonist assay

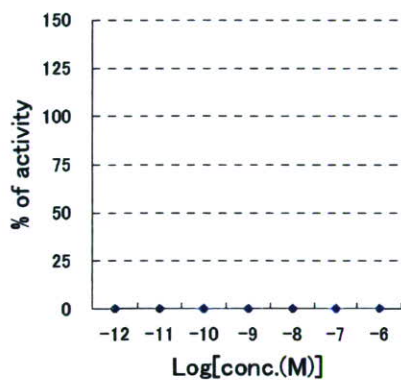
LOG[conc.(M)]	luc	ren
-5	113	107
-6	105	110
-7	105	112
-8	109	105
-9	96	106
-10	100	103



sample No. TR147
 chemical name P-(1,1,3,3-TETRAMETHYLBUTYL)PHENOL
 CAS. 140-66-9

AR agonist assay

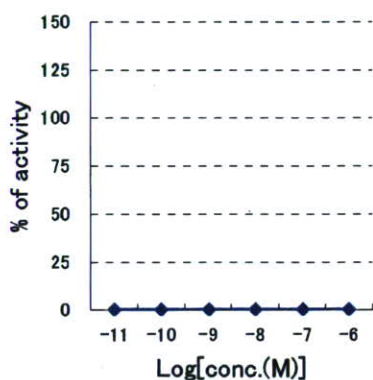
LOG[conc.(M)]	luc
-6	0.0
-7	0.0
-8	0.0
-9	0.0
-10	0.0
-11	0.0
-12	0.0



AR antagonist assay

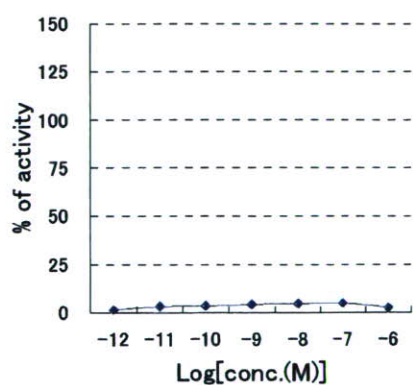
LOG[conc.(M)]	luc	ren
-6	0	0
-7	0	0
-8	0	0
-9	0	0
-10	0	0
-11	0	0

Cell viability



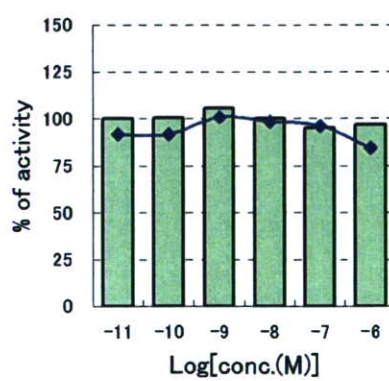
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-6	2.5
-7	4.9
-8	4.5
-9	4.1
-10	3.5
-11	3.2
-12	1.5



TRβ-RXR antagonist assay

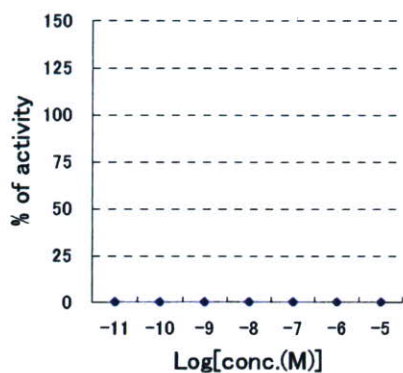
LOG[conc.(M)]	luc	ren
-6	84	97
-7	96	95
-8	98	100
-9	101	106
-10	91	101
-11	92	101



sample No. TR148
 chemical name 4-PHENYLPHENOL
 CAS. 92-69-3

AR agonist assay

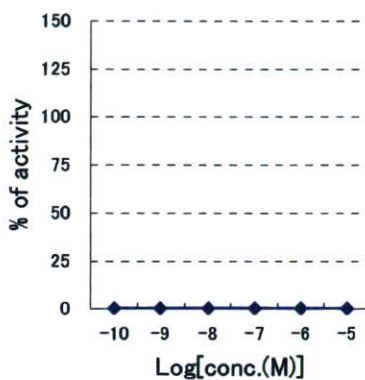
LOG[conc.(M)]	luc
-5	0.0
-6	0.0
-7	0.0
-8	0.0
-9	0.0
-10	0.0
-11	0.0



AR antagonist assay

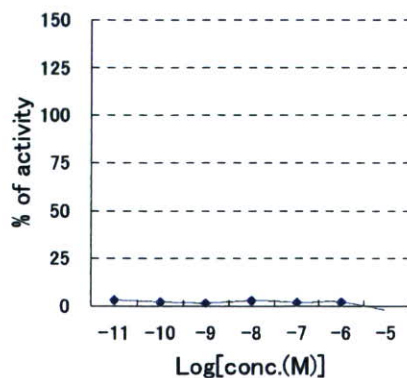
LOG[conc.(M)]	luc	ren
-5	0	0
-6	0	0
-7	0	0
-8	0	0
-9	0	0
-10	0	0

Cell viability



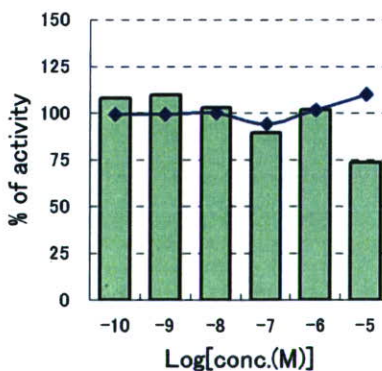
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	-2.0
-6	2.1
-7	1.7
-8	2.7
-9	1.5
-10	2.1
-11	2.9



TRβ-RXR antagonist assay

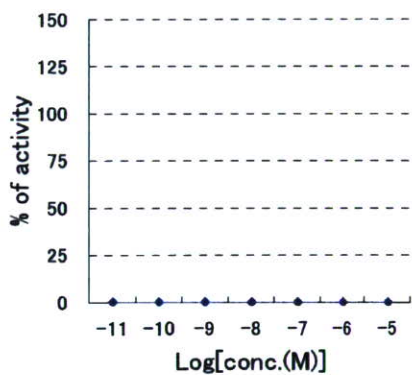
LOG[conc.(M)]	luc	ren
-5	110	74
-6	101	102
-7	94	90
-8	100	103
-9	99	110
-10	99	108



sample No. TR149
 chemical name Phenol, p-cyclohexyl-
 CAS. 1131-60-8

AR agonist assay

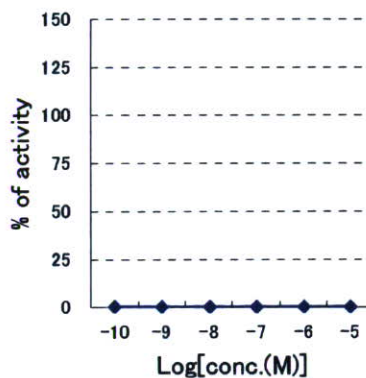
LOG[conc.(M)]	luc
-5	0.0
-6	0.0
-7	0.0
-8	0.0
-9	0.0
-10	0.0
-11	0.0



AR antagonist assay

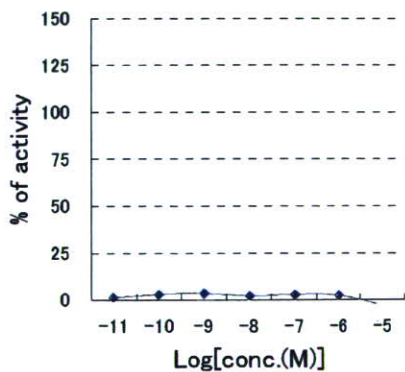
LOG[conc.(M)]	luc	ren
-5	0	0
-6	0	0
-7	0	0
-8	0	0
-9	0	0
-10	0	0

Cell viability



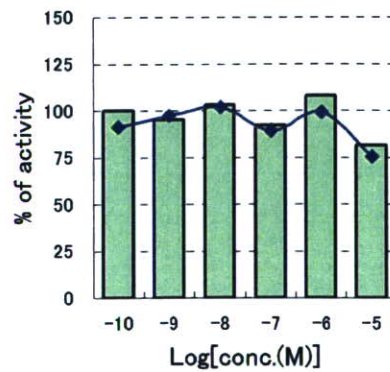
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	-3.0
-6	2.5
-7	2.7
-8	2.2
-9	3.5
-10	2.8
-11	1.4



TRβ-RXR antagonist assay

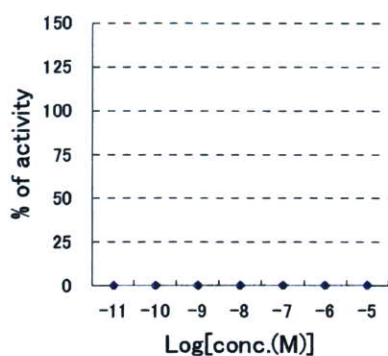
LOG[conc.(M)]	luc	ren
-5	75	81
-6	99	108
-7	89	92
-8	102	103
-9	97	95
-10	91	100



sample No. TR150
 chemical name ROSOLIC ACID
 CAS. 603-45-2

AR agonist assay

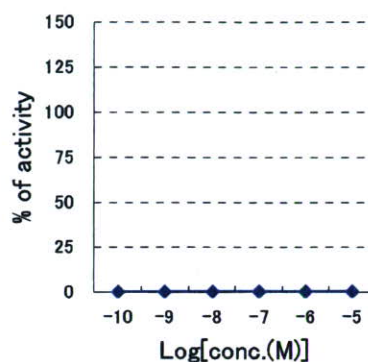
LOG[conc.(M)]	luc
-5	0.0
-6	0.0
-7	0.0
-8	0.0
-9	0.0
-10	0.0
-11	0.0



AR antagonist assay

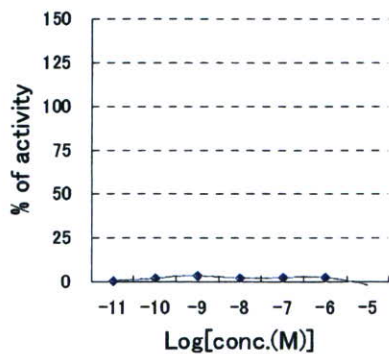
LOG[conc.(M)]	luc	ren
-5	0	0
-6	0	0
-7	0	0
-8	0	0
-9	0	0
-10	0	0

Cell viability



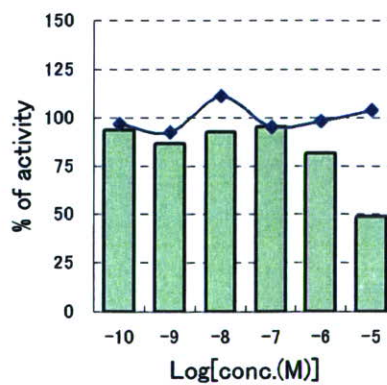
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	-2.1
-6	2.2
-7	2.5
-8	2.0
-9	3.4
-10	2.1
-11	0.2



TRβ-RXR antagonist assay

LOG[conc.(M)]	luc	ren
-5	103	49
-6	98	81
-7	95	95
-8	111	93
-9	92	86
-10	96	93



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

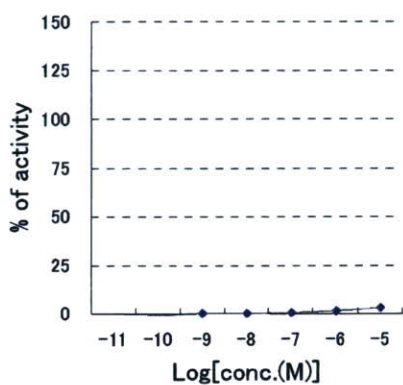
40 物質

(AT151~AT190)

sample No. AT151
 chemical name Phytonadione
 CAS. 84-80-0

AR agonist assay

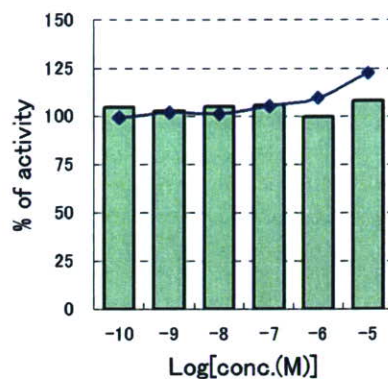
LOG[conc.(M)]	luc
-5	2.9
-6	1.1
-7	0.3
-8	0.0
-9	-0.1
-10	-0.8
-11	-0.2



AR antagonist assay

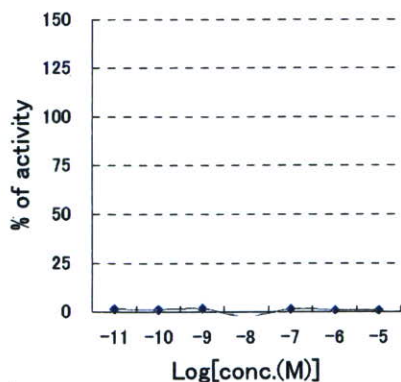
LOG[conc.(M)]	luc	ren
-5	122	108
-6	109	100
-7	105	106
-8	101	105
-9	102	103
-10	99	105

Cell viability



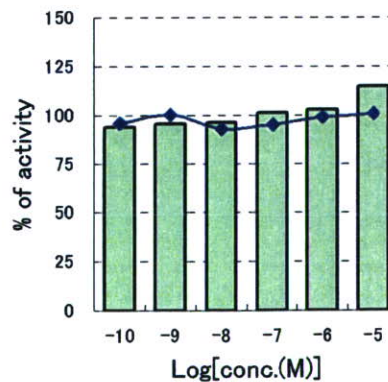
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	0.7
-6	0.5
-7	1.2
-8	-2.7
-9	1.4
-10	0.8
-11	1.1



TRβ-RXR antagonist assay

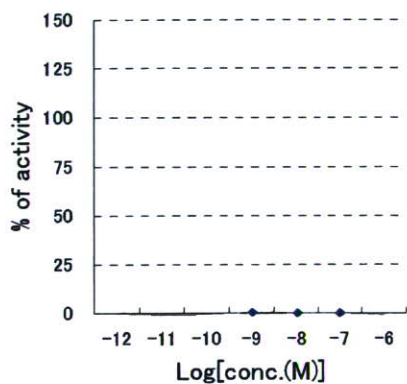
LOG[conc.(M)]	luc	ren
-5	101	115
-6	99	103
-7	95	101
-8	92	96
-9	100	95
-10	96	94



sample No. AT152
 chemical name Etofenprox
 CAS. 80844-07-1

AR agonist assay

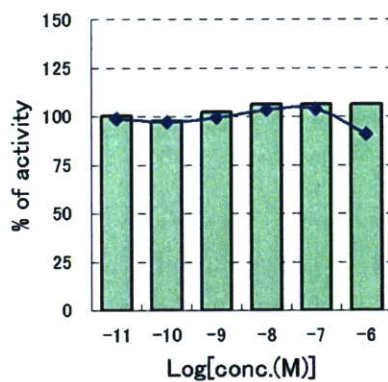
LOG[conc.(M)]	luc
-6	-1.0
-7	-0.1
-8	-0.1
-9	0.4
-10	-0.5
-11	-0.8
-12	-0.4



AR antagonist assay

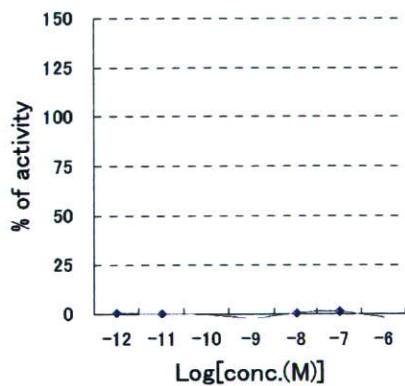
LOG[conc.(M)]	luc	ren
-6	91	106
-7	104	106
-8	103	106
-9	99	102
-10	97	98
-11	99	101

Cell viability



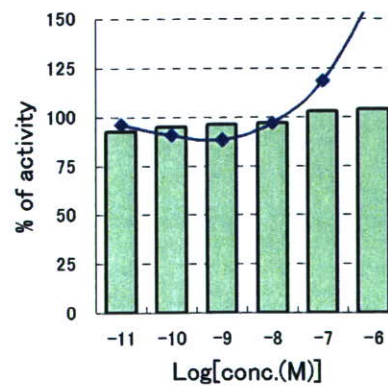
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-6	-2.1
-7	1.1
-8	0.3
-9	-2.4
-10	-0.4
-11	-0.1
-12	0.3



TRβ-RXR antagonist assay

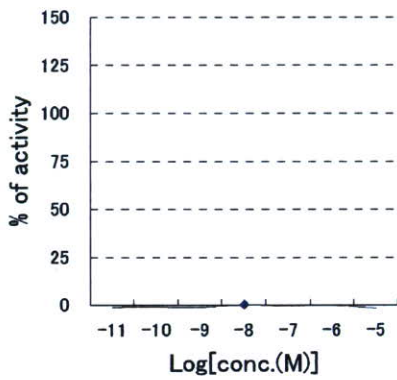
LOG[conc.(M)]	luc	ren
-6	162	104
-7	118	103
-8	97	97
-9	88	96
-10	90	95
-11	96	93



sample No. AT153
 chemical name Para Magenta
 CAS. 569-61-9

AR agonist assay

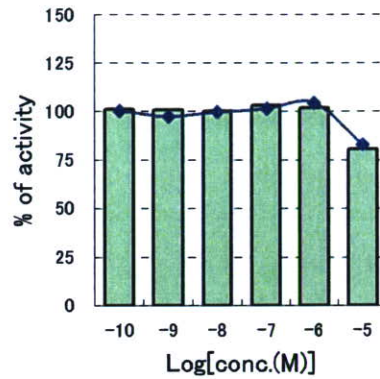
LOG[conc.(M)]	luc
-5	-2.2
-6	-0.3
-7	-0.6
-8	0.1
-9	-1.5
-10	-1.2
-11	-1.5



AR antagonist assay

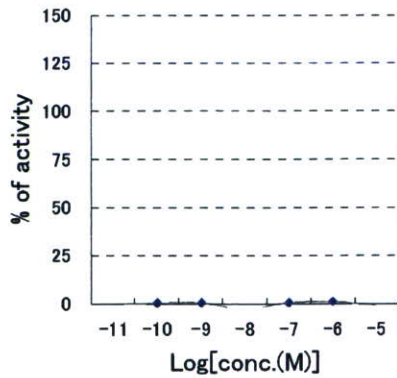
LOG[conc.(M)]	luc	ren
-5	83	81
-6	104	102
-7	101	103
-8	99	100
-9	97	101
-10	100	101

Cell viability



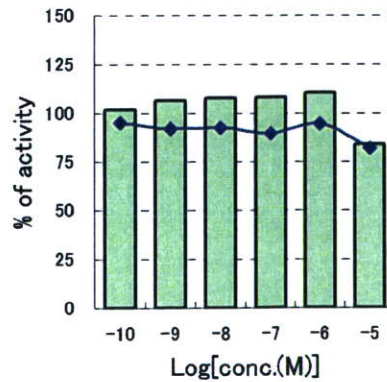
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	-1.2
-6	0.9
-7	0.3
-8	-3.1
-9	0.3
-10	0.4
-11	-0.4



TRβ-RXR antagonist assay

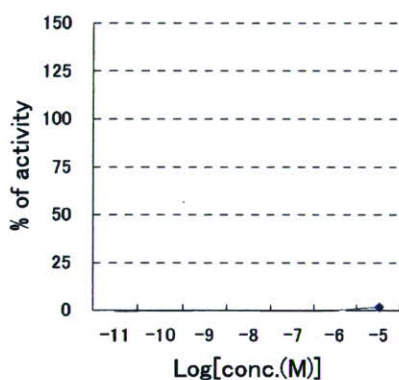
LOG[conc.(M)]	luc	ren
-5	81	84
-6	94	110
-7	89	108
-8	92	108
-9	92	106
-10	95	102



sample No. AT154
 chemical name Arbutin
 CAS. 497-76-7

AR agonist assay

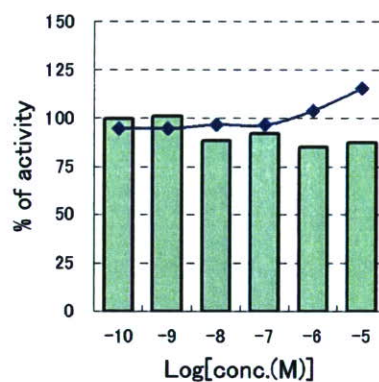
LOG[conc.(M)]	luc
-5	1.4
-6	-0.2
-7	-0.6
-8	-0.4
-9	-0.3
-10	-1.0
-11	-1.1



AR antagonist assay

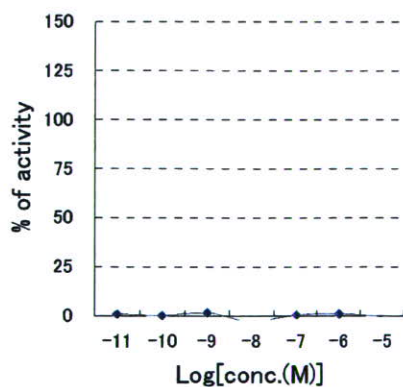
LOG[conc.(M)]	luc	ren
-5	116	88
-6	104	85
-7	96	92
-8	96	89
-9	94	101
-10	95	99

Cell viability



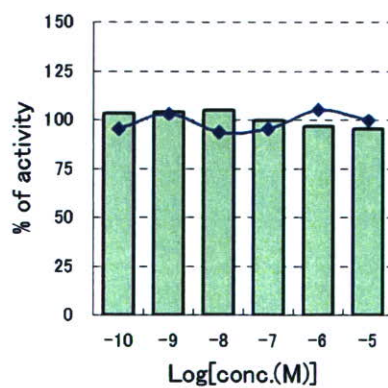
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	-0.3
-6	0.8
-7	0.2
-8	-3.3
-9	1.5
-10	0.1
-11	0.5



TRβ-RXR antagonist assay

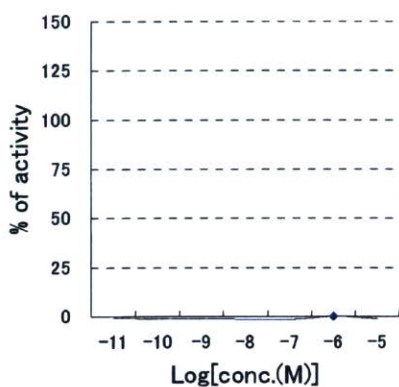
LOG[conc.(M)]	luc	ren
-5	100	95
-6	105	97
-7	95	99
-8	93	105
-9	103	104
-10	95	103



sample No. AT155
 chemical name Cyfluthrin
 CAS. 68359-37-5

AR agonist assay

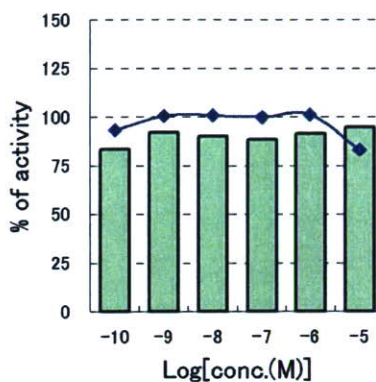
LOG[conc.(M)]	luc
-5	-1.6
-6	-0.1
-7	-1.8
-8	-1.7
-9	-1.6
-10	-1.4
-11	-1.1



AR antagonist assay

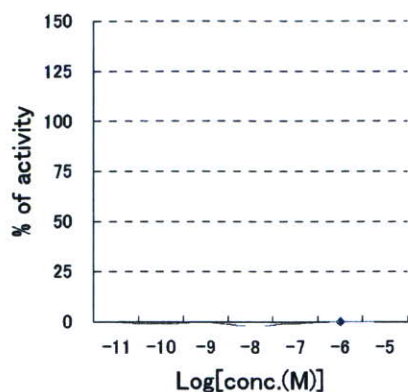
LOG[conc.(M)]	luc	ren
-5	83	95
-6	101	91
-7	100	89
-8	101	90
-9	100	92
-10	93	84

Cell viability



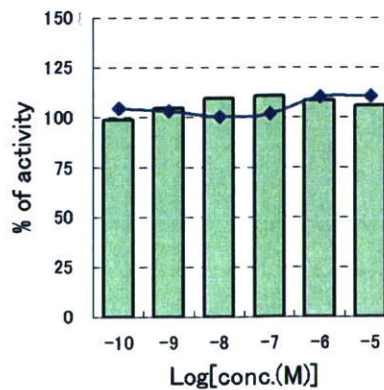
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	-0.4
-6	0.1
-7	-0.9
-8	-2.4
-9	-0.2
-10	-1.2
-11	-0.3



TRβ-RXR antagonist assay

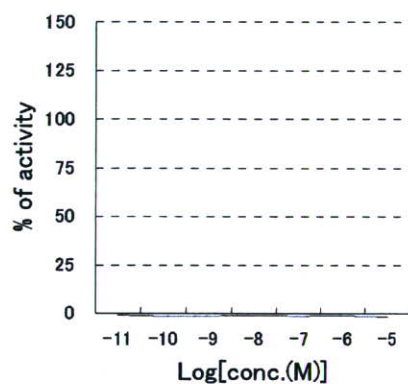
LOG[conc.(M)]	luc	ren
-5	111	106
-6	110	108
-7	102	111
-8	100	110
-9	103	105
-10	105	99



sample No. AT156
 chemical name 4,4'-PROPYLIDENEDIPHENOL
 CAS. 1576-13-2

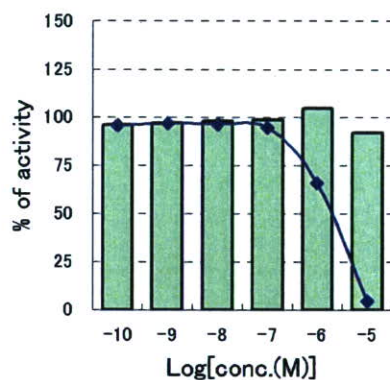
AR agonist assay

LOG[conc.(M)]	luc
-5	-2.0
-6	-1.5
-7	-1.8
-8	-1.4
-9	-1.6
-10	-1.8
-11	-1.3



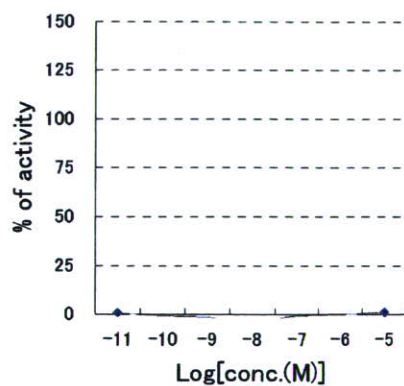
AR antagonist assay

LOG[conc.(M)]	luc	ren
-5	5	92
-6	66	105
-7	94	98
-8	96	98
-9	97	97
-10	95	96



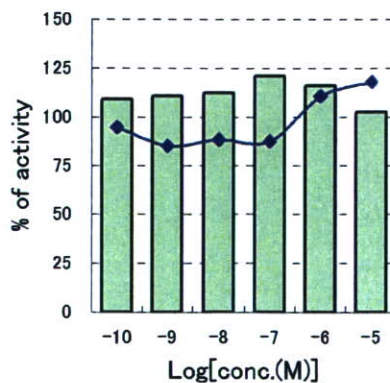
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	1.0
-6	-0.3
-7	-1.2
-8	-3.4
-9	-1.8
-10	-1.2
-11	0.7



TRβ-RXR antagonist assay

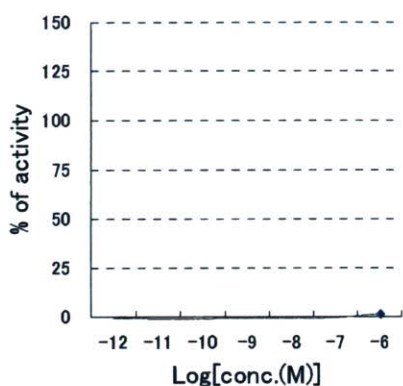
LOG[conc.(M)]	luc	ren
-5	118	103
-6	110	116
-7	87	121
-8	88	112
-9	85	111
-10	95	109



sample No. AT157
 chemical name Chlorogenic acid
 CAS. 327-97-9

AR agonist assay

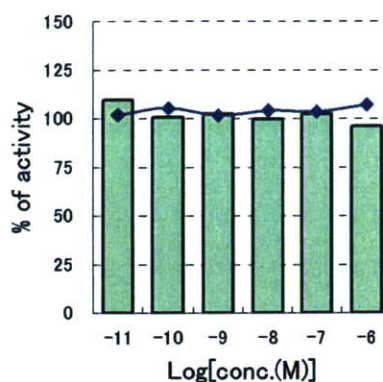
LOG[conc.(M)]	luc
-6	1.2
-7	-0.5
-8	-0.9
-9	-1.0
-10	-1.4
-11	-1.5
-12	-1.0



AR antagonist assay

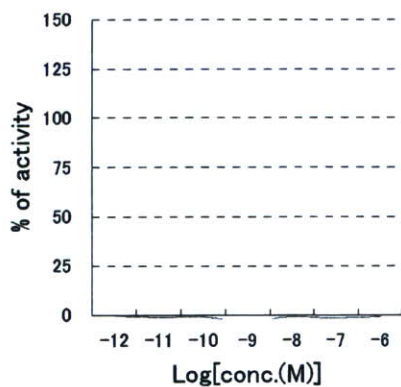
LOG[conc.(M)]	luc	ren
-6	107	96
-7	103	102
-8	104	100
-9	101	103
-10	105	101
-11	102	110

Cell viability



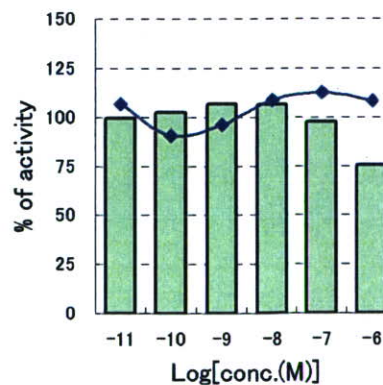
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-6	-1.2
-7	-1.8
-8	-1.2
-9	-3.2
-10	-1.1
-11	-1.5
-12	-0.7



TRβ-RXR antagonist assay

LOG[conc.(M)]	luc	ren
-6	108	76
-7	112	97
-8	109	107
-9	96	107
-10	90	102
-11	106	100

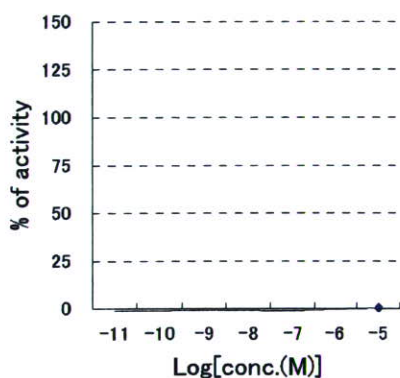


sample No.
chemical name
CAS.

AT158
Methacrylic acid, isopropylidenedi-p-phenylene ester
3253-39-2

AR agonist assay

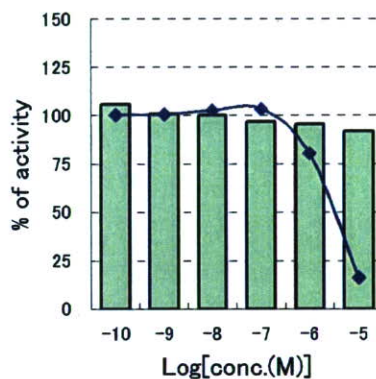
LOG[conc.(M)]	luc
-5	0.1
-6	-0.6
-7	-1.6
-8	-1.2
-9	-1.3
-10	-1.5
-11	-1.5



AR antagonist assay

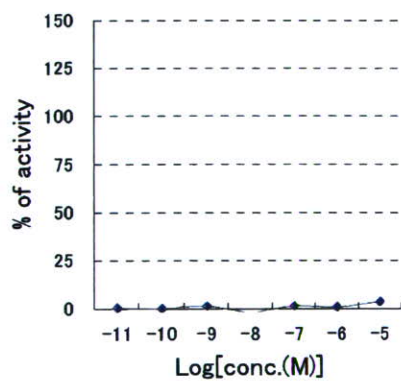
LOG[conc.(M)]	luc	ren
-5	16	92
-6	80	95
-7	103	97
-8	103	100
-9	101	101
-10	100	106

Cell viability



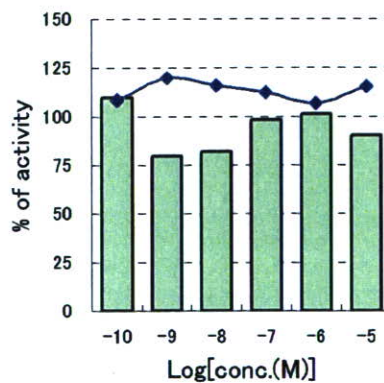
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	3.4
-6	0.7
-7	1.2
-8	-2.1
-9	1.3
-10	0.0
-11	0.3



TRβ-RXR antagonist assay

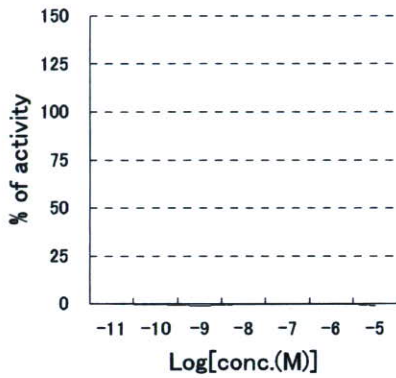
LOG[conc.(M)]	luc	ren
-5	115	90
-6	106	101
-7	112	98
-8	116	82
-9	119	80
-10	108	110



sample No. AT159
 chemical name Bitertanol
 CAS. 55179-31-2

AR agonist assay

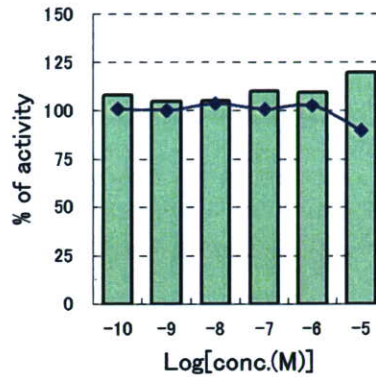
LOG[conc.(M)]	luc
-5	-1.6
-6	-0.7
-7	-0.8
-8	-1.0
-9	-1.5
-10	-0.9
-11	-0.2



AR antagonist assay

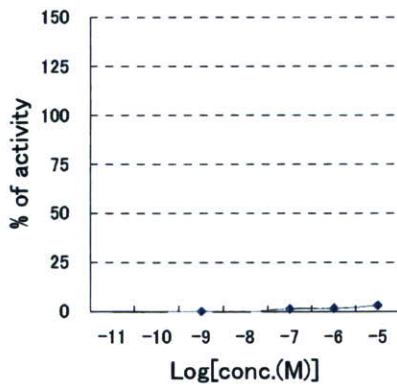
LOG[conc.(M)]	luc	ren
-5	89	120
-6	102	110
-7	100	110
-8	103	105
-9	100	105
-10	101	108

Cell viability



TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	3.0
-6	1.5
-7	1.2
-8	-0.2
-9	0.1
-10	-0.2
-11	-0.3



TRβ-RXR antagonist assay

LOG[conc.(M)]	luc	ren
-5	111	128
-6	108	110
-7	104	116
-8	106	104
-9	108	109
-10	106	114

