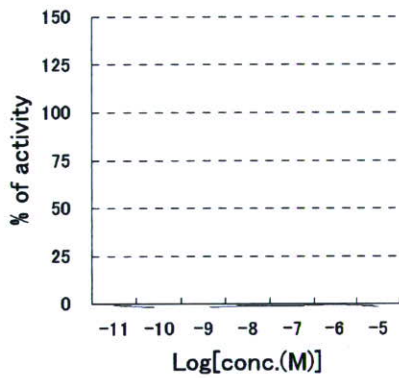


sample No. AR199
 chemical name BENZYL METHACRYLATE
 CAS. 2495-37-6

AR agonist assay

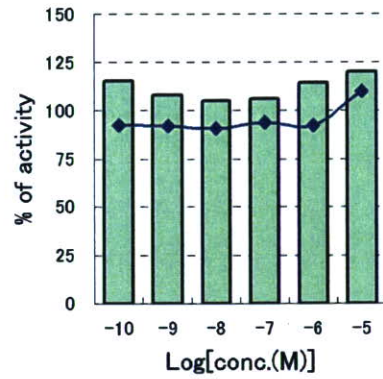
LOG[conc.(M)]	luc
-5	-1.7
-6	-1.0
-7	-1.5
-8	-1.6
-9	-2.3
-10	-2.3
-11	-1.3



AR antagonist assay

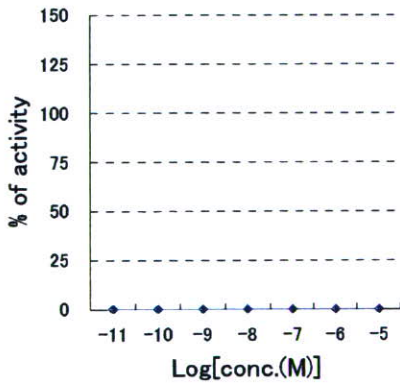
LOG[conc.(M)]	luc	ren
-5	110	120
-6	92	115
-7	94	106
-8	90	105
-9	92	108
-10	92	115

Cell viability



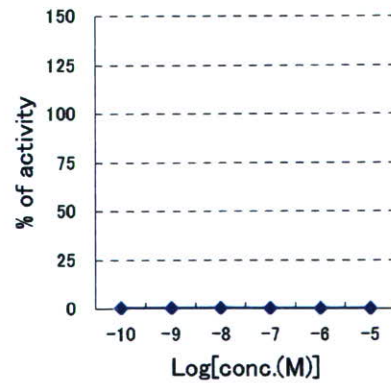
TRβ-RXR agonist assay

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

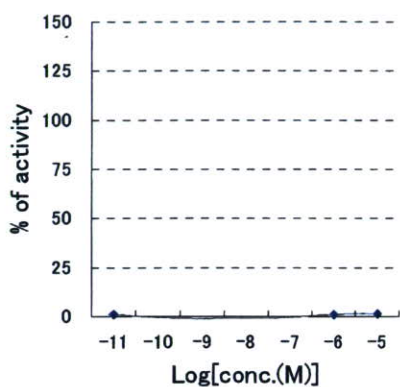
LOG[conc.(M)]	luc	ren
-5	0	0
-6	0	0
-7	0	0
-8	0	0
-9	0	0
-10	0	0



sample No. AR200
 chemical name Guaethol
 CAS. 94-71-3

AR agonist assay

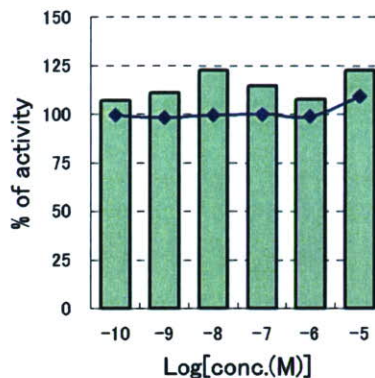
LOG[conc.(M)]	luc
-5	1.0
-6	0.8
-7	-0.5
-8	-1.0
-9	-1.4
-10	-0.5
-11	0.9



AR antagonist assay

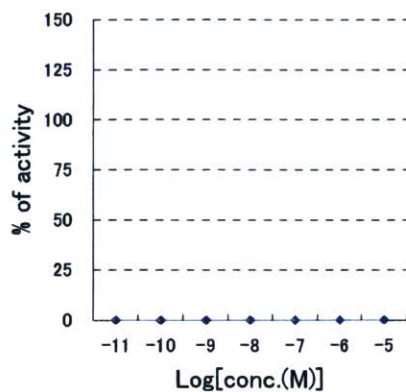
LOG[conc.(M)]	luc	ren
-5	109	123
-6	99	108
-7	100	115
-8	99	123
-9	98	111
-10	99	107

Cell viability



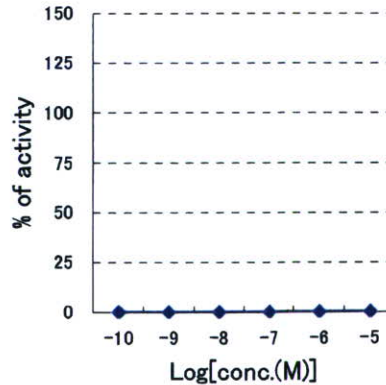
TRβ-RXR agonist assay

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



測定結果 一覧

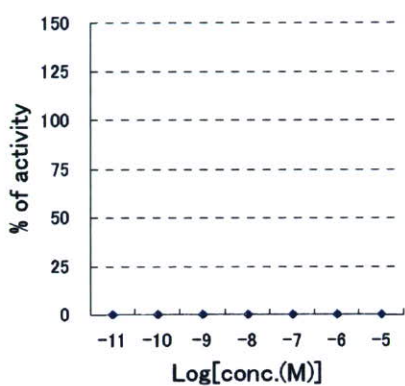
TR レポータージーンアッセイ

10 物質
(TR191~TR200)

sample No. TR191
 chemical name 2-(2-METHYLPROPOXY)-1,2-DIPHENYL ETHANONE
 CAS. 22499-12-3

AR agonist assay

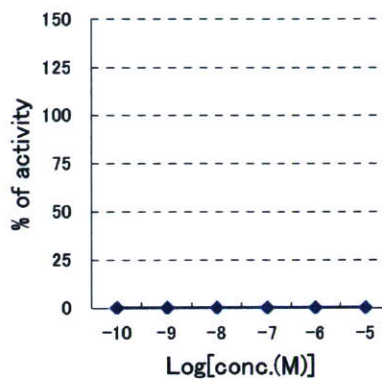
LOG[conc.(M)]	luc
-5	0.0
-6	0.0
-7	0.0
-8	0.0
-9	0.0
-10	0.0
-11	0.0



AR antagonist assay

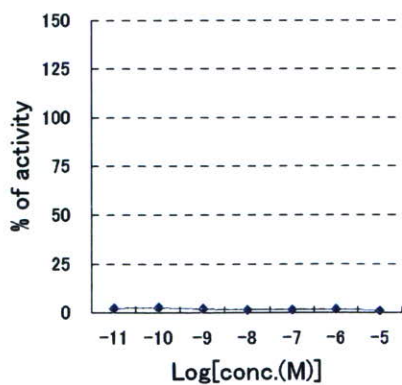
LOG[conc.(M)]	luc	ren
-5	0	0
-6	0	0
-7	0	0
-8	0	0
-9	0	0
-10	0	0

Cell viability



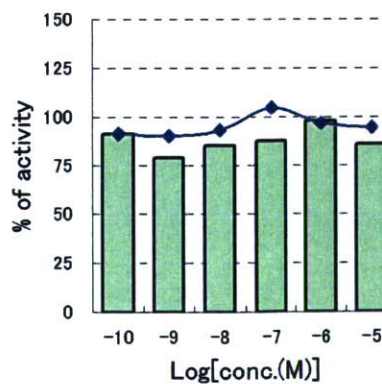
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	0.5
-6	1.6
-7	1.2
-8	1.3
-9	1.7
-10	2.5
-11	2.0



TRβ-RXR antagonist assay

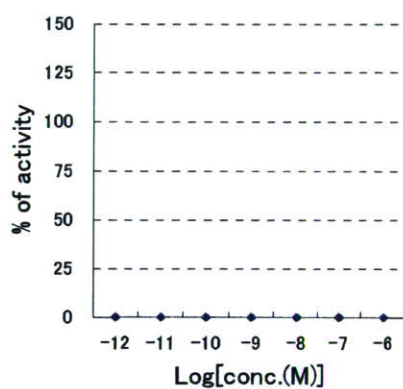
LOG[conc.(M)]	luc	ren
-5	94	86
-6	96	98
-7	104	88
-8	93	85
-9	90	79
-10	91	91



sample No. TR192
 chemical name 4,4'-OXYBISBENZENESULFONIC ACID, DIHYDRAZIDE
 CAS. 80-51-3

AR agonist assay

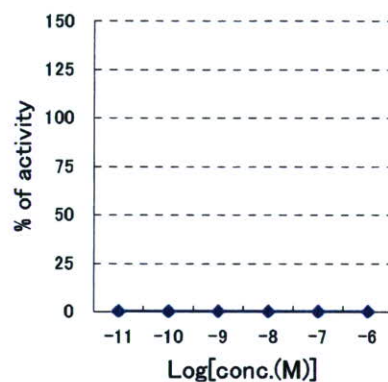
LOG[conc.(M)]	luc
-6	0.0
-7	0.0
-8	0.0
-9	0.0
-10	0.0
-11	0.0
-12	0.0



AR antagonist assay

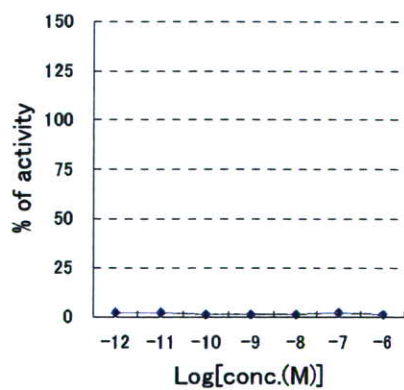
LOG[conc.(M)]	luc	ren
-6	0	0
-7	0	0
-8	0	0
-9	0	0
-10	0	0
-11	0	0

Cell viability



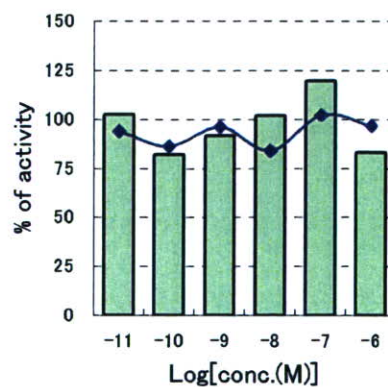
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-6	1.1
-7	2.0
-8	1.0
-9	1.2
-10	1.3
-11	2.1
-12	1.9



TRβ-RXR antagonist assay

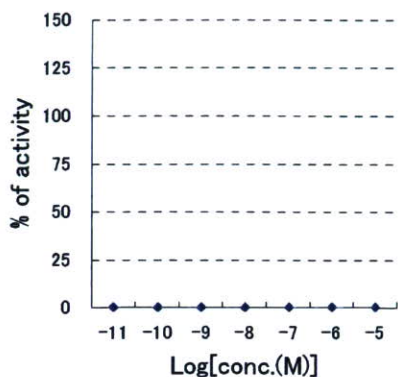
LOG[conc.(M)]	luc	ren
-6	96	83
-7	102	120
-8	84	102
-9	96	92
-10	86	82
-11	93	102



sample No. TR193
 chemical name N-ISOPROPYL-N'-PHENYL-P-PHENYLENEDIAMINE
 CAS. 101-72-4

AR agonist assay

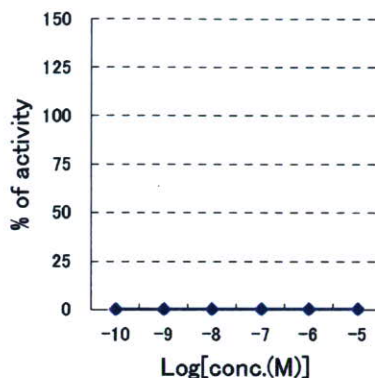
LOG[conc.(M)]	luc
-5	0.0
-6	0.0
-7	0.0
-8	0.0
-9	0.0
-10	0.0
-11	0.0



AR antagonist assay

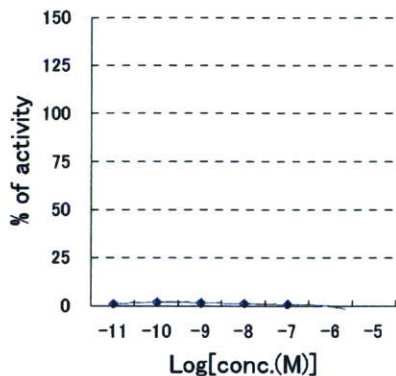
LOG[conc.(M)]	luc	ren
-5	0	0
-6	0	0
-7	0	0
-8	0	0
-9	0	0
-10	0	0

Cell viability



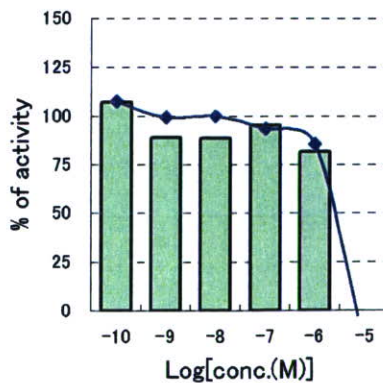
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	-7.1
-6	-0.3
-7	0.5
-8	1.3
-9	1.5
-10	1.7
-11	0.9



TRβ-RXR antagonist assay

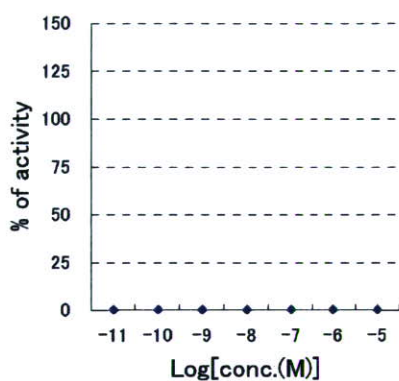
LOG[conc.(M)]	luc	ren
-5	-20	-28
-6	85	81
-7	93	95
-8	100	88
-9	99	89
-10	107	107



sample No. TR194
 chemical name Nonox wsp
 CAS. 77-62-3

AR agonist assay

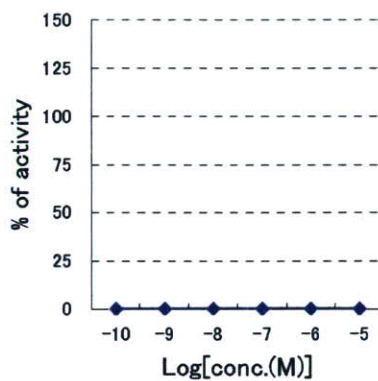
LOG[conc.(M)]	luc
-5	0.0
-6	0.0
-7	0.0
-8	0.0
-9	0.0
-10	0.0
-11	0.0



AR antagonist assay

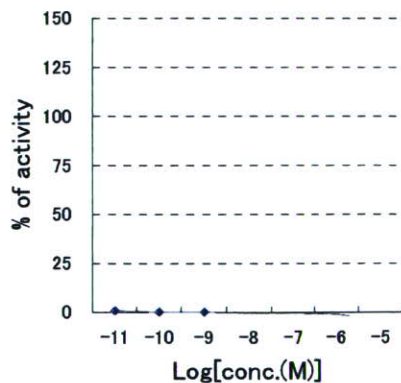
LOG[conc.(M)]	luc	ren
-5	0	0
-6	0	0
-7	0	0
-8	0	0
-9	0	0
-10	0	0

Cell viability



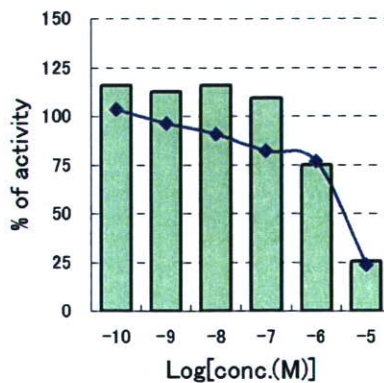
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	-4.9
-6	-1.6
-7	-0.7
-8	-0.5
-9	0.1
-10	-0.1
-11	0.6



TRβ-RXR antagonist assay

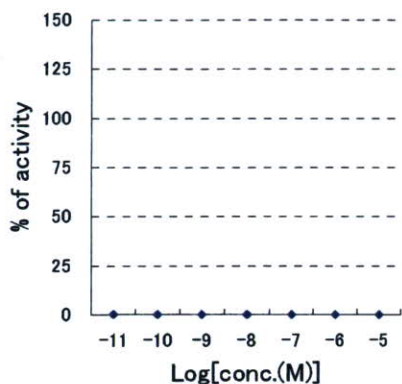
LOG[conc.(M)]	luc	ren
-5	24	25
-6	76	75
-7	82	109
-8	90	116
-9	96	112
-10	103	116



sample No. TR195
 chemical name Trimethylolpropane trimethacrylate
 CAS. 3290-92-4

AR agonist assay

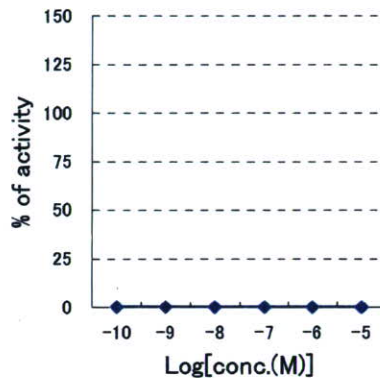
LOG[conc.(M)]	luc
-5	0.0
-6	0.0
-7	0.0
-8	0.0
-9	0.0
-10	0.0
-11	0.0



AR antagonist assay

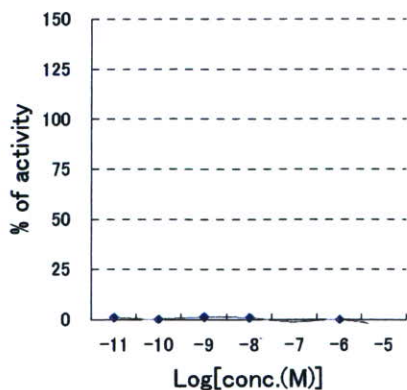
LOG[conc.(M)]	luc	ren
-5	0	0
-6	0	0
-7	0	0
-8	0	0
-9	0	0
-10	0	0

Cell viability



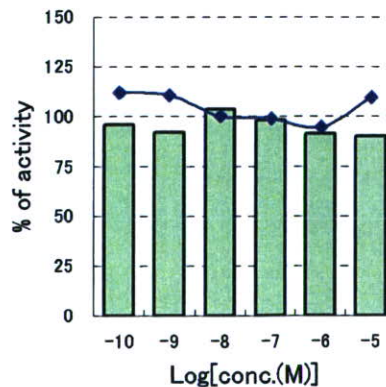
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	-3.5
-6	0.0
-7	-1.3
-8	0.8
-9	1.1
-10	0.0
-11	0.8



TRβ-RXR antagonist assay

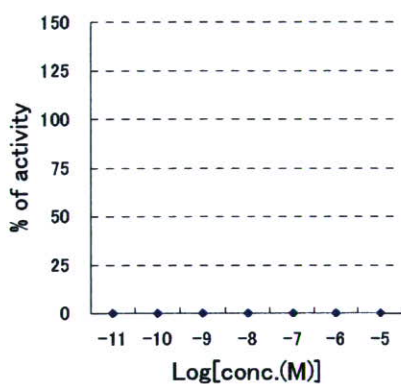
LOG[conc.(M)]	luc	ren
-5	110	90
-6	95	91
-7	99	98
-8	100	104
-9	110	92
-10	112	96



sample No. TR196
 chemical name Cinnamic acid, isopentyl ester
 CAS. 7779-65-9

AR agonist assay

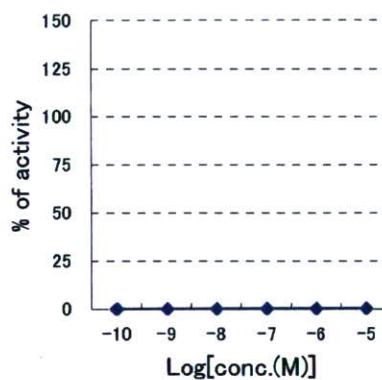
LOG[conc.(M)]	luc
-5	0.0
-6	0.0
-7	0.0
-8	0.0
-9	0.0
-10	0.0
-11	0.0



AR antagonist assay

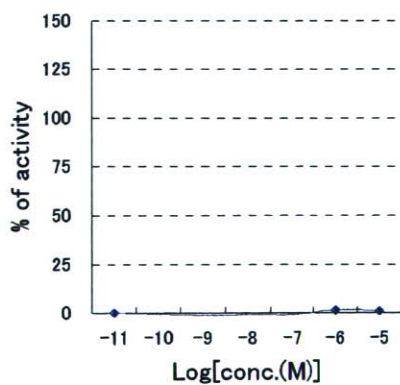
LOG[conc.(M)]	luc	ren
-5	0	0
-6	0	0
-7	0	0
-8	0	0
-9	0	0
-10	0	0

Cell viability



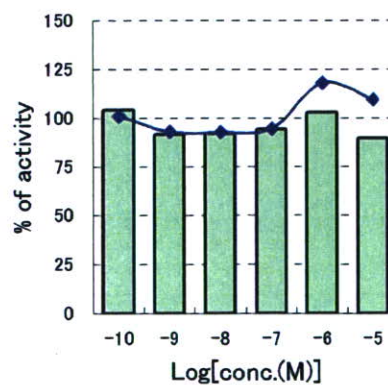
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	0.6
-6	1.1
-7	-1.3
-8	-1.2
-9	-1.4
-10	-0.7
-11	0.0



TRβ-RXR antagonist assay

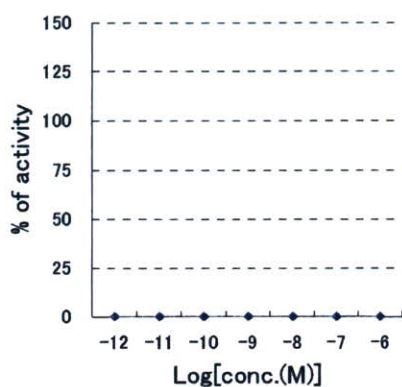
LOG[conc.(M)]	luc	ren
-5	109	89
-6	118	103
-7	94	94
-8	92	92
-9	93	92
-10	101	104



sample No. TR197
 chemical name 1H-Benz e indole, 1,1,2-trimethyl-
 CAS. 41532-84-7

AR agonist assay

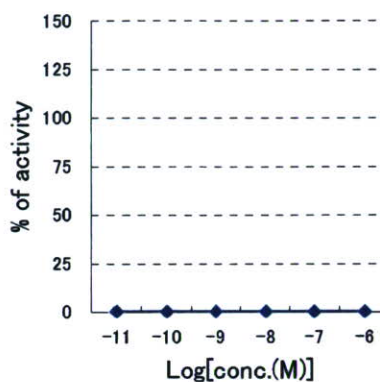
LOG[conc.(M)]	luc
-6	0.0
-7	0.0
-8	0.0
-9	0.0
-10	0.0
-11	0.0
-12	0.0



AR antagonist assay

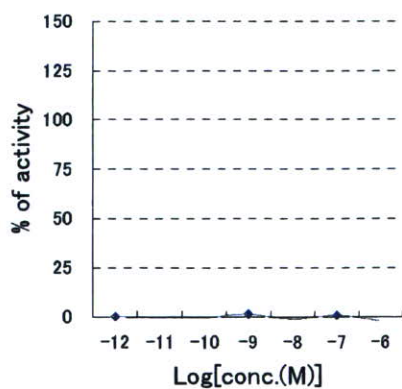
LOG[conc.(M)]	luc	ren
-6	0	0
-7	0	0
-8	0	0
-9	0	0
-10	0	0
-11	0	0

Cell viability



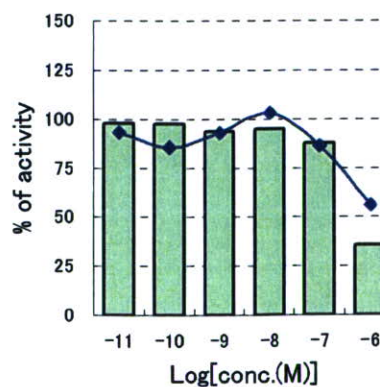
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-6	-2.3
-7	0.5
-8	-1.5
-9	1.1
-10	-0.6
-11	-0.6
-12	-0.1



TRβ-RXR antagonist assay

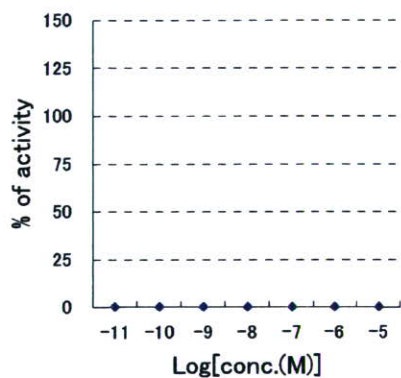
LOG[conc.(M)]	luc	ren
-6	56	36
-7	86	87
-8	103	95
-9	93	93
-10	85	98
-11	93	98



sample No. TR198
 chemical name 1,6-Octadien-3-ol, 3,7-dimethyl-, benzoate
 CAS. 126-64-7

AR agonist assay

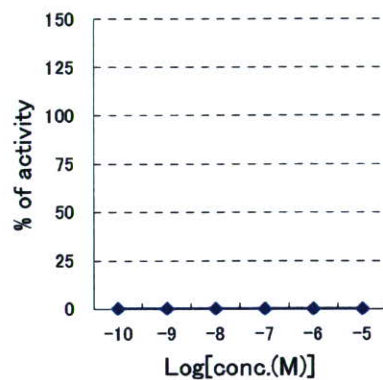
LOG[conc.(M)]	luc
-5	0.0
-6	0.0
-7	0.0
-8	0.0
-9	0.0
-10	0.0
-11	0.0



AR antagonist assay

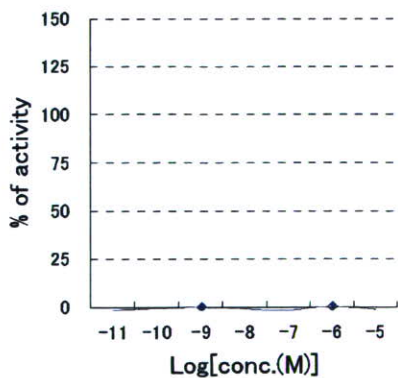
LOG[conc.(M)]	luc	ren
-5	0	0
-6	0	0
-7	0	0
-8	0	0
-9	0	0
-10	0	0

Cell viability



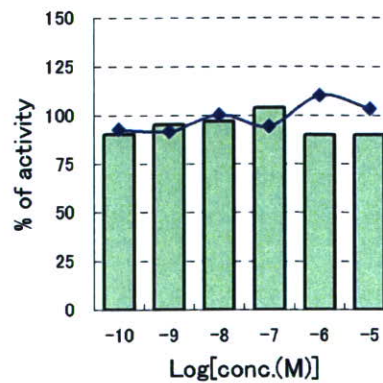
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	-1.4
-6	0.2
-7	-1.8
-8	-1.1
-9	0.1
-10	-0.8
-11	-1.9



TRβ-RXR antagonist assay

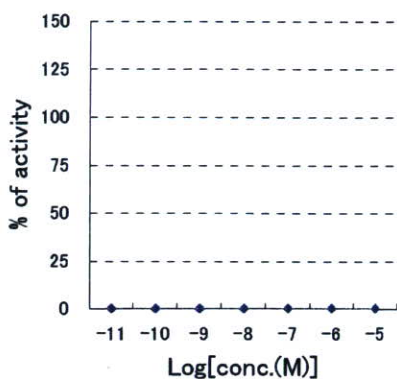
LOG[conc.(M)]	luc	ren
-5	103	90
-6	110	90
-7	94	104
-8	100	97
-9	91	95
-10	92	90



sample No. TR199
 chemical name Ferulic acid
 CAS. 1135-24-6

AR agonist assay

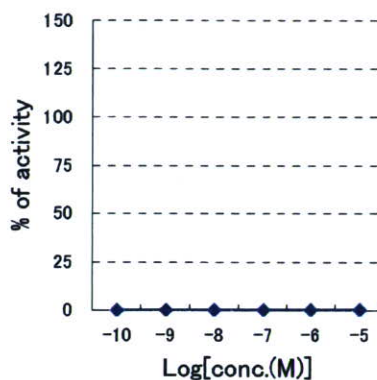
LOG[conc.(M)]	luc
-5	0.0
-6	0.0
-7	0.0
-8	0.0
-9	0.0
-10	0.0
-11	0.0



AR antagonist assay

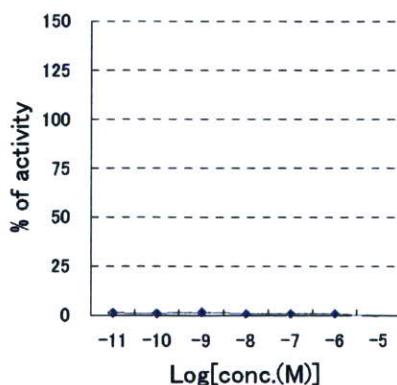
LOG[conc.(M)]	luc	ren
-5	0	0
-6	0	0
-7	0	0
-8	0	0
-9	0	0
-10	0	0

Cell viability



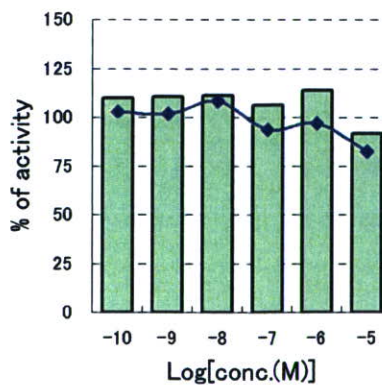
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	-0.5
-6	0.5
-7	0.5
-8	0.7
-9	1.5
-10	0.9
-11	1.3



TRβ-RXR antagonist assay

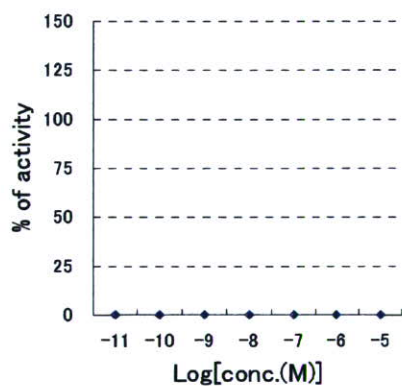
LOG[conc.(M)]	luc	ren
-5	82	91
-6	96	114
-7	93	106
-8	108	111
-9	101	110
-10	103	110



sample No. TR200
 chemical name Aspartame
 CAS. 22839-47-0

AR agonist assay

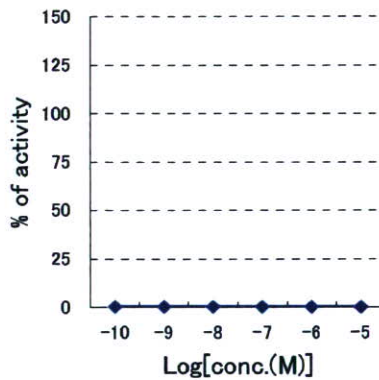
LOG[conc.(M)]	luc
-5	0.0
-6	0.0
-7	0.0
-8	0.0
-9	0.0
-10	0.0
-11	0.0



AR antagonist assay

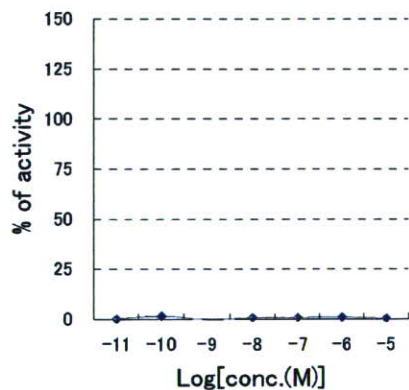
LOG[conc.(M)]	luc	ren
-5	0	0
-6	0	0
-7	0	0
-8	0	0
-9	0	0
-10	0	0

Cell viability



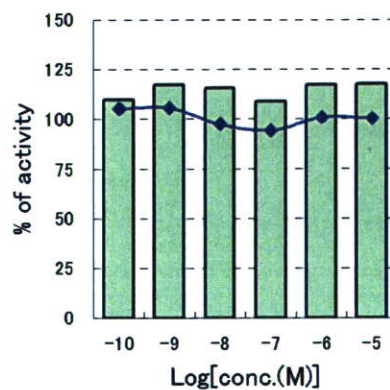
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	0.4
-6	0.9
-7	0.6
-8	0.5
-9	-0.4
-10	1.3
-11	0.0



TRβ-RXR antagonist assay

LOG[conc.(M)]	luc	ren
-5	100	118
-6	101	117
-7	94	109
-8	97	116
-9	105	117
-10	105	110



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

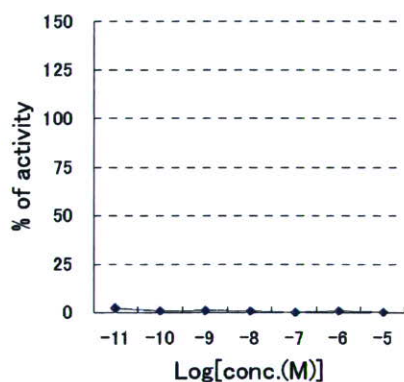
40 物質

(AT201～AT240)

sample No. AT201
 chemical name 1,3-Diethyl-1,3-diphenylurea
 CAS. 85-98-3

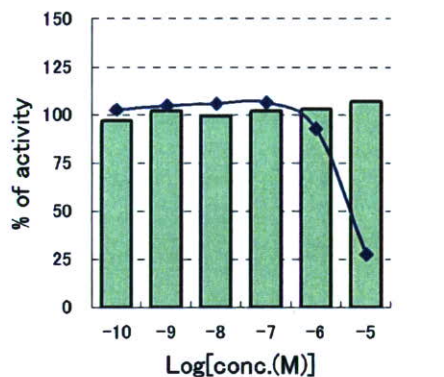
AR agonist assay

LOG[conc.(M)]	luc
-5	-0.1
-6	0.5
-7	0.0
-8	0.5
-9	0.9
-10	0.5
-11	2.0



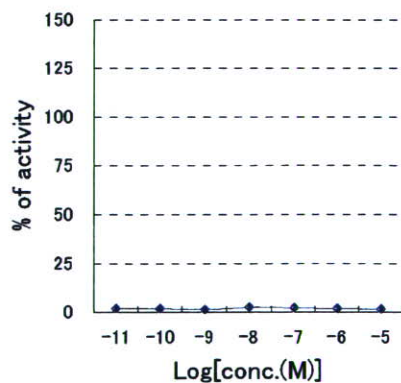
AR antagonist assay

LOG[conc.(M)]	luc	ren
-5	28	107
-6	93	103
-7	106	102
-8	106	99
-9	105	102
-10	102	97



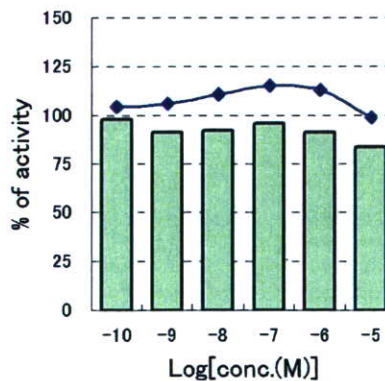
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	1.5
-6	1.8
-7	2.1
-8	2.4
-9	1.1
-10	1.8
-11	1.7



TRβ-RXR antagonist assay

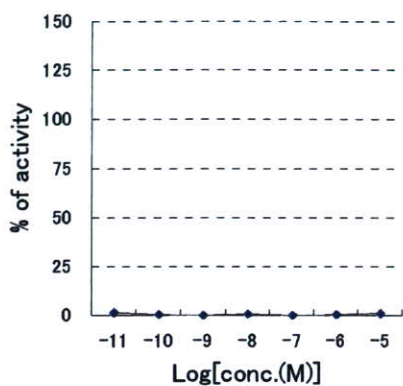
LOG[conc.(M)]	luc	ren
-5	99	83
-6	113	91
-7	115	96
-8	110	92
-9	106	91
-10	104	98



sample No. AT202
 chemical name Benzaldehyde Diethyl Acetal
 CAS. 774-48-1

AR agonist assay

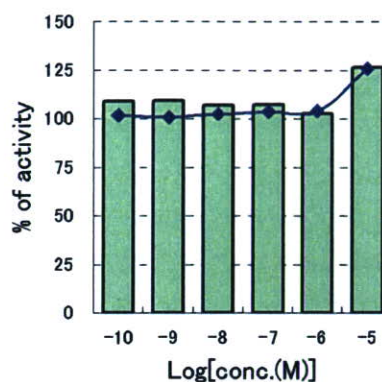
LOG[conc.(M)]	luc
-5	1.0
-6	0.3
-7	0.1
-8	0.6
-9	0.1
-10	0.2
-11	1.1



AR antagonist assay

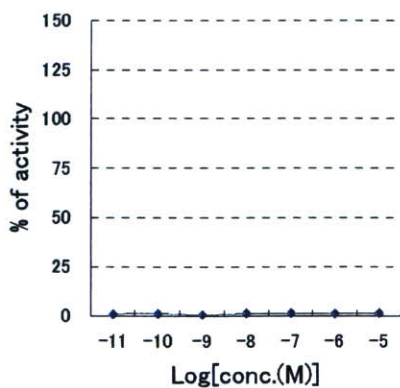
LOG[conc.(M)]	luc	ren
-5	126	127
-6	104	103
-7	104	107
-8	102	107
-9	101	109
-10	102	109

Cell viability



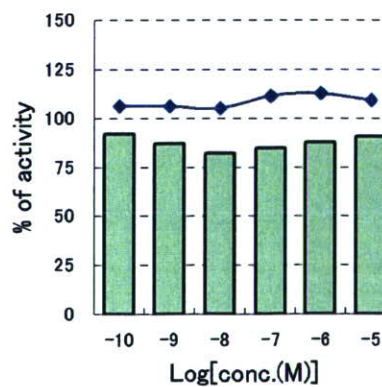
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	1.3
-6	1.3
-7	1.6
-8	1.6
-9	0.6
-10	1.1
-11	0.8



TRβ-RXR antagonist assay

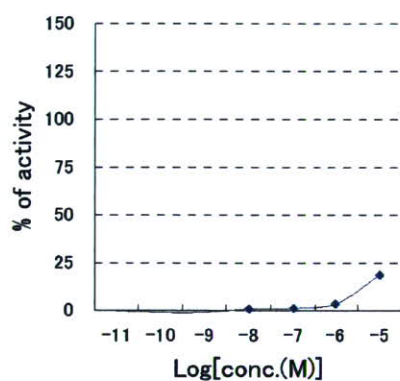
LOG[conc.(M)]	luc	ren
-5	109	90
-6	113	88
-7	111	85
-8	105	82
-9	106	87
-10	106	92



sample No. AT203
 chemical name benzo(b)fluoranthene
 CAS. 205-99-2

AR agonist assay

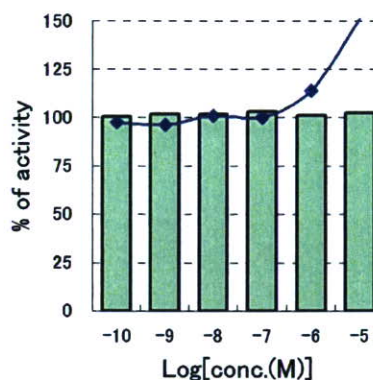
LOG[conc.(M)]	luc
-5	18.3
-6	3.4
-7	0.8
-8	0.6
-9	-1.2
-10	-1.1
-11	-0.2



AR antagonist assay

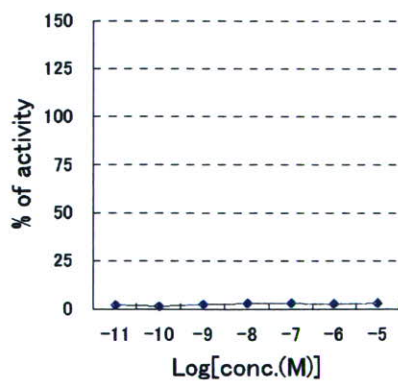
LOG[conc.(M)]	luc	ren
-5	151	102
-6	114	101
-7	100	103
-8	101	102
-9	96	102
-10	98	101

Cell viability



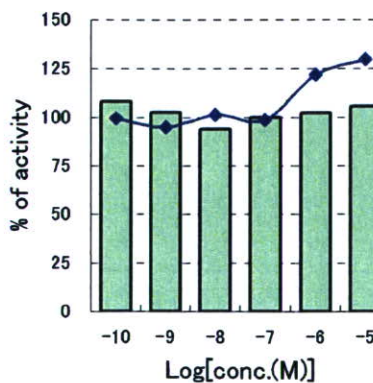
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	2.9
-6	2.8
-7	3.0
-8	3.0
-9	2.4
-10	1.6
-11	2.1



TRβ-RXR antagonist assay

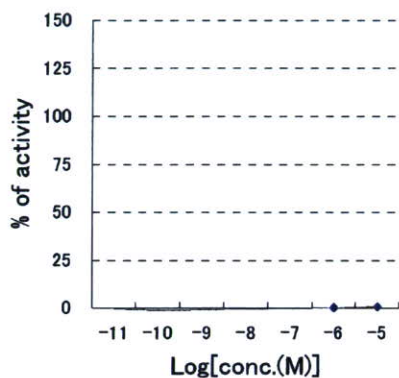
LOG[conc.(M)]	luc	ren
-5	130	105
-6	122	102
-7	98	100
-8	101	94
-9	95	103
-10	99	108



sample No. AT204
 chemical name Acetophenone, 2-isopropoxy-2-phenyl-
 CAS. 6652-28-4

AR agonist assay

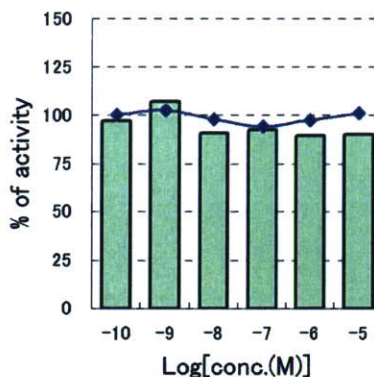
LOG[conc.(M)]	luc
-5	0.5
-6	0.1
-7	-0.2
-8	-0.6
-9	-1.3
-10	-1.6
-11	-0.8



AR antagonist assay

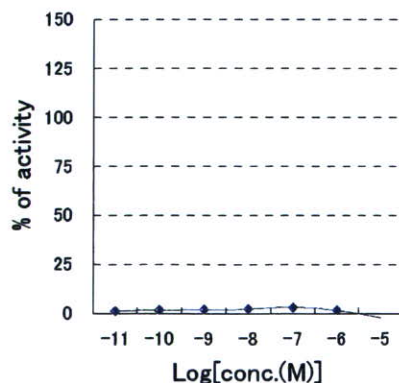
LOG[conc.(M)]	luc	ren
-5	101	90
-6	97	89
-7	94	92
-8	98	91
-9	102	107
-10	100	97

Cell viability



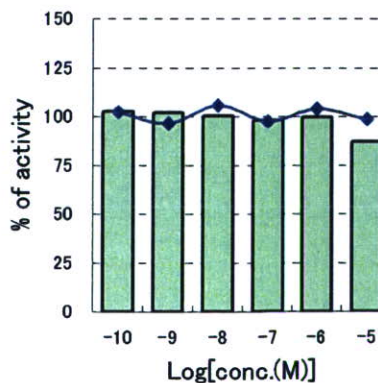
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	-2.1
-6	1.8
-7	3.2
-8	2.4
-9	1.9
-10	1.8
-11	1.2



TRβ-RXR antagonist assay

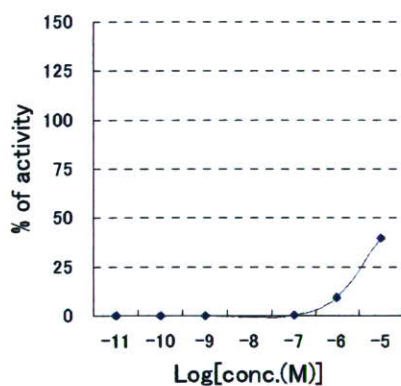
LOG[conc.(M)]	luc	ren
-5	99	87
-6	104	99
-7	97	98
-8	106	100
-9	96	102
-10	102	103



sample No. AT205
 chemical name Cinnamic acid, phenethyl ester
 CAS. 103-53-7

AR agonist assay

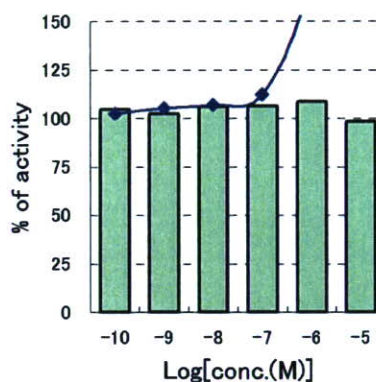
LOG[conc.(M)]	luc
-5	39.5
-6	9.5
-7	0.4
-8	-0.5
-9	0.1
-10	0.1
-11	-0.1



AR antagonist assay

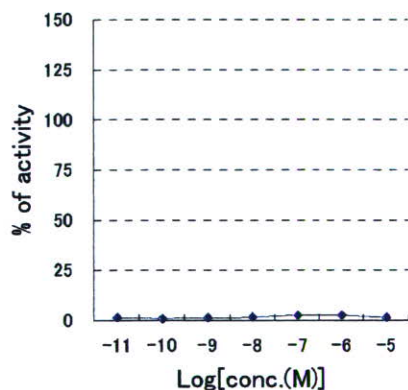
LOG[conc.(M)]	luc	ren
-5	291	99
-6	172	109
-7	112	106
-8	107	106
-9	106	102
-10	103	105

Cell viability



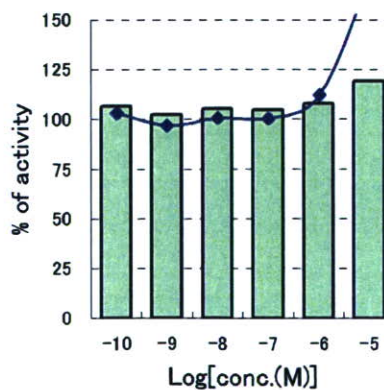
TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	1.3
-6	2.5
-7	2.5
-8	1.7
-9	1.4
-10	0.8
-11	1.5



TRβ-RXR antagonist assay

LOG[conc.(M)]	luc	ren
-5	169	119
-6	112	108
-7	100	105
-8	101	105
-9	97	102
-10	103	107

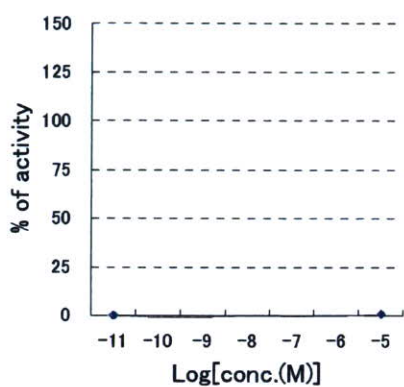


sample No.
chemical name
CAS.

AT206
1-Propanaminium, N,N,N-trimethyl-3-(2-methyl-1-oxo-2-propenyl)amino-, chlorid
51410-72-1

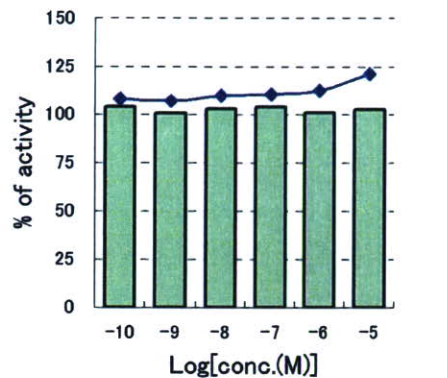
AR agonist assay

LOG[conc.(M)]	luc
-5	0.7
-6	-0.4
-7	-0.7
-8	-0.2
-9	-1.0
-10	-0.8
-11	-0.1



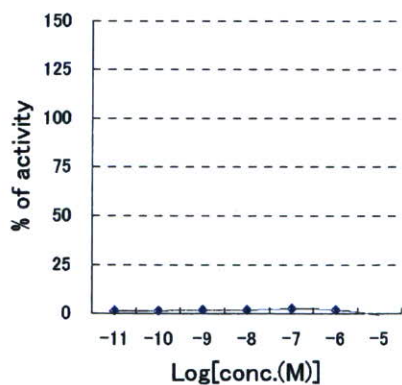
AR antagonist assay

LOG[conc.(M)]	luc	ren
-5	121	103
-6	112	101
-7	111	104
-8	110	103
-9	107	101
-10	108	104



TRβ-RXR agonist assay

LOG[conc.(M)]	luc
-5	-0.9
-6	1.6
-7	2.5
-8	1.8
-9	1.9
-10	1.6
-11	1.4



TRβ-RXR antagonist assay

LOG[conc.(M)]	luc	ren
-5	97	106
-6	103	99
-7	108	103
-8	101	104
-9	98	98
-10	103	106

