Reference	Wang and Fondell (2001)	Wang and Fondell (2001)
Characteristics of Cell Line	, ,	
Name of cell line	HeLa (E19)	HeLa (E19)
Call gauges	Hyman agwigal tumon	Human aggical tumon
Cell source	Human cervical tumor	Human cervical tumor
Transfection of Cells with Plasmids	G. 11 A.D./T	G. 11 A D / T
	Stable AR/Transient	Stable AR/Transient
Stable or transient transection	reporter	reporter
AR expression vector	pTetCMV-F0(S)-AR	pTetCMV-F0(S)-AR
AR source	human	human
Reporter vector	MMTV-Luc	ARE2-DS-Luc
Endpoint measured	Luciferase activity	Luciferase activity
Plasmid transfected for cell toxicity	none	none
Endpoint measured for cell toxicity	n.a.	n.a.
Preparation of Cells for Assay		
Transient		
	One day prior to	One day prior to
Pregrowth of cells before transient	transfection with	transfection with
transfection	reporter vector	reporter vector
Time from transient transfection to	•	Î
treatment of cells	3 hours	3 hours
Stable	3 nours	3 nours
Sidole		
Plating time prior to treatment with test		
substance	n.a.	n.a.
Transcriptional Activation Assay		
Test substance solvent	n.p.	n.p.
No. of replicates	n.p.	n.p.
No. of times assay repeated	3	3
Test substance incubation time	48 hours	48 hours
Agonism assay		
Reference ligand	Testosterone	Testosterone
Final concentration of reference ligand	100 nM	100 nM
Antagonism assay		
Reference ligand	Testosterone	Testosterone
Final concentration of reference ligand	n.p.	n.p.

Abbreviations: n.a. = not applicable;

Cell source  Transfection of Cells with Plasmids  Stable AR/Transient  Stable or transient transection  AR expression vector  AR source  Reporter vector  Endpoint measured  Plasmid transfected for cell toxicity  Preparation of Cells for Assay  Human cervical tumor  Human hepatoma  Transient AR/Transient  reporter  reporter  reporter  reporter  Reporter vector  PB(-285/+32)-Luc  MMTV-Luc  Luciferase activity  none  pCMV -gal  -galactosidase activity  Preparation of Cells for Assay
Cell source  Transfection of Cells with Plasmids  Stable AR/Transient Stable or transient transection  AR expression vector  AR source  Reporter vector  PB(-285/+32)-Luc  Endpoint measured  Plasmid transfected for cell toxicity  Endpoint measured for cell toxicity  Plasmid transfected for cell toxicity  Public AR/Transient  Transient AR/Transient  reporter  reporter  PB(-285/+32)-Luc  MMTV-Luc  Luciferase activity  Plasmid transfected for cell toxicity  PCMV -gal  Endpoint measured for cell toxicity  Palactosidase activity
Transfection of Cells with PlasmidsStable or transient transient transient transient propertien.Stable AR/Transient reporter reporterAR expression vectorpTetCMV-F0(S)-AR n.p.AR sourcehuman humanReporter vectorPB(-285/+32)-LucMMTV-LucEndpoint measuredLuciferase activityLuciferase activityPlasmid transfected for cell toxicitynonepCMV -galEndpoint measured for cell toxicityn.agalactosidase activity
Transfection of Cells with Plasmids  Stable AR/Transient reporter reporter  AR expression vector pTetCMV-F0(S)-AR n.p.  AR source human human  Reporter vector PB(-285/+32)-Luc MMTV-Luc  Endpoint measured Luciferase activity Luciferase activity  Plasmid transfected for cell toxicity none pCMV -gal  Endpoint measured for cell toxicity n.agalactosidase activity
Stable or transient transection reporter reporter  AR expression vector pTetCMV-F0(S)-AR n.p.  AR source human human  Reporter vector PB(-285/+32)-Luc MMTV-Luc  Endpoint measured Luciferase activity Luciferase activity  Plasmid transfected for cell toxicity none pCMV -gal  Endpoint measured for cell toxicity n.agalactosidase activity
Stable or transient tranfectionreporterreporterAR expression vectorpTetCMV-F0(S)-ARn.p.AR sourcehumanhumanReporter vectorPB(-285/+32)-LucMMTV-LucEndpoint measuredLuciferase activityLuciferase activityPlasmid transfected for cell toxicitynonepCMV -galEndpoint measured for cell toxicityn.agalactosidase activity
AR expression vector pTetCMV-F0(S)-AR n.p.  AR source human human  Reporter vector PB(-285/+32)-Luc MMTV-Luc  Endpoint measured Luciferase activity Luciferase activity  Plasmid transfected for cell toxicity none pCMV -gal  Endpoint measured for cell toxicity n.agalactosidase activity
AR source human human Reporter vector PB(-285/+32)-Luc MMTV-Luc Endpoint measured Luciferase activity Luciferase activity Plasmid transfected for cell toxicity none pCMV -gal Endpoint measured for cell toxicity n.agalactosidase activity
Reporter vectorPB(-285/+32)-LucMMTV-LucEndpoint measuredLuciferase activityLuciferase activityPlasmid transfected for cell toxicitynonepCMV -galEndpoint measured for cell toxicityn.agalactosidase activity
Endpoint measuredLuciferase activityLuciferase activityPlasmid transfected for cell toxicitynonepCMV -galEndpoint measured for cell toxicityn.agalactosidase activity
Plasmid transfected for cell toxicity none pCMV -gal  Endpoint measured for cell toxicity n.agalactosidase activity
Endpoint measured for cell toxicity n.agalactosidase activity
Transient
Pregrowth of cells before transient transfection with reporter vector overnight
Time from transfection to treatment of cells 3 hours n.p.  Stable
Plating time prior to treatment with test substance n.a. n.a.  Transcriptional Activation Assay
No. of replicates n.p. 3  No. of times assay repeated 3 At least 3
Test substance incubation time 48 hours 24 hours
Agonism assay
Reference ligand Testosterone n.a.
Final concentration of reference ligand 100 nM n.a.
Antagonism assay
Reference ligand Testosterone 5 -Dihydrotestosterone
Final concentration of reference ligand n.p. n.p.

Abbreviations: n.a. = not applicable;

Reference	Maness et al. (1998)	Tamura et al. (2001)
Characteristics of Cell Line		
Name of cell line	HepG2	HepG2
Cell source	Human hepatoma	Human hepatoma
Transfection of Cells with Plasmids		
	Transient AR/Transient	Transient AR/Transient
Stable or transient transection	reporter	reporter
AR expression vector	pRSAR	pRSAR
AR source	human	human
Reporter vector	MMTV-Luc	MMTV-Luc
Endpoint measured	Luciferase activity	Luciferase activity
Plasmid transfected for cell toxicity	pCMV -gal	pCMV -gal
Endpoint measured for cell toxicity	-galactosidase activity	-galactosidase activity
Preparation of Cells for Assay		-
Transient		
Pregrowth of cells before transient transfection  Time from transient transfection to	overnight	n.p.
treatment of cells	3 hours	n.p.
Stable		
Plating time prior to treatment with test substance	n.a.	n.a.
Transcriptional Activation Assay		
Test substance solvent	DMSO	DMSO
No. of replicates	3	3
No. of times assay repeated	3 to 9	3
Test substance incubation time	24 hours	24 hours
Agonism assay		
Reference ligand	5 -Dihydrotestosterone	n.a.
Final concentration of reference ligand	1 μΜ	n.a.
Antagonism assay	5 P.1 1	6 57 1
Reference ligand	5 -Dihydrotestosterone	5 -Dihydrotestosterone
Final concentration of reference ligand	n.p.	n.p.

Abbreviations: n.a. = not applicable;

Reference	Wilson et al. (2002)	Hartig et al. (2002)
Characteristics of Cell Line		
Name of cell line	MDA-kb2	MDA-MB-453
Cell source	Derived from MDA-MB- 453 cells (human breast carcinoma)	Human breast carcinoma
Transfection of Cells with Plasmids		
Stable or transient transection AR expression vector	Stable reporter Endogenous hAR	Transduced reporter Endogenous hAR
AR source	human	human
Reporter vector Endpoint measured	pMMTV.Luc.neo Luciferase activity	Ad/mLuc7 Luciferase activity
Plasmid transfected for cell toxicity	none	none
Endpoint measured for cell toxicity	n.a.	n.a.
Preparation of Cells for Assay		
Transient		
Pregrowth of cells before transient transfection  Time from transient transfection to treatment of cells	n.a. n.a.	24 hours 4 hours
Stable		
Plating time prior to treatment with test substance	4 to 6 hours	n.a.
Transcriptional Activation Assay	70.1	77.1
Test substance solvent	Ethanol	Ethanol
No. of replicates	At least 4	3 to 4
No. of times assay repeated	3 overnight	n.p.
Test substance incubation time	overnight	48 hours
Agonism assay Reference ligand	n o	5 -Dihydrotestosterone
Final concentration of reference ligand	n.a. n.a.	0.1 nM
Antagonism assay	11.4.	V.1 IIIVI
Reference ligand	5 -Dihydrotestosterone	5 -Dihydrotestosterone
Final concentration of reference ligand	0.1 or 1.0 nM	0.1 nM

Abbreviations: n.a. = not applicable;

Reference	Lambright et al. (2000)	Sultan et al. (2001)
Characteristics of Cell Line		
Name of cell line	MDA-MB-453-kb2	PALM
Cell source	Human breast carcinoma	Derived from PC-3 cells (human prostate adenocarcinoma)
Transfection of Cells with Plasmids		,
Stable or transient transection	Stable reporter	Stable AR/Stable reporter
AR expression vector AR source	Endogenous hAR	pSG5-puro-hAR
	human MMTV.neo.luciferase	human
Reporter vector Endpoint measured	Luciferase activity	pMMTV-neo-Luc Luciferase activity
Plasmid transfected for cell toxicity	pCMV -gal	none
		none
Endpoint measured for cell toxicity	-galactosidase activity	n.a.
Preparation of Cells for Assay		T
Transient		
Pregrowth of cells before transient transfection  Time from transient transfection to	n.a.	n.a.
treatment of cells	n.a.	n.a.
Stable		
Plating time prior to treatment with test substance	5 to 6 hours	n.p.
Transcriptional Activation Assay		
Test substance solvent	Ethanol	n.p.
No. of replicates	n.p.	n.p.
No. of times assay repeated	n.p.	n.p.
Test substance incubation time	overnight	n.p.
Agonism assay		
Reference ligand	n.a.	n.a.
Final concentration of reference ligand	n.a.	n.a.
Antagonism assay		
Reference ligand	5 -Dihydrotestosterone	Methyltrienolone
Final concentration of reference ligand	0.1 nM	0.1 nM

Abbreviations: n.a. = not applicable;

Reference	Terouanne et al. (2000)	Terouanne et al. (2000)
Characteristics of Cell Line		
Name of cell line	PALM	PC-3
	Derived from PC-3 cells (human prostate	Human prostate
Cell source	adenocarcinoma)	adenocarcinoma
Transfection of Cells with Plasmids		
Stable or transient transection AR expression vector	Stable AR/Stable reporter pSG <sub>5</sub> -puro-hAR	Transient AR/Transient reporter pSG <sub>5</sub> -puro-hAR
AR source	human	human
Reporter vector	pMMTV-neo-Luc	pMAMneo-Luc
Endpoint measured	Luciferase activity	Luciferase activity
Plasmid transfected for cell toxicity	none	pCMV <sub>5</sub> galactosidase
Endpoint measured for cell toxicity	n.a.	-galactosidase activity
Preparation of Cells for Assay		<u> </u>
Transient		
Pregrowth of cells before transient transfection  Time from transient transfection to	n.a.	n.p.
treatment of cells	n.a.	n.p.
Stable		
Plating time prior to treatment with test substance	12 hours	n.a.
Transcriptional Activation Assay		
Test substance solvent	F12 medium	n.p.
No. of replicates	2	2
No. of times assay repeated	At least 3	At least 3
Test substance incubation time	30 hours	n.p.
Agonism assay	26 (1.1)	
Reference ligand	Methyltrienolone	n.a.
Final concentration of reference ligand	0.1 nM	n.a.
Antagonism assay	Matherlan' 1	Mathenlan' - 1 - 1 - 1 - 1
Reference ligand	Methyltrienolone	Methyltrienolone
Final concentration of reference ligand	0.1 nM	0.1 nM

Abbreviations: n.a. = not applicable;

Reference	Schrader and Cooke (2000)	
Characteristics of Cell Line		
Name of cell line	PC-3 LUC <sup>AR+</sup>	
	Derived from PC-3 cells (human	
Cell source	`	
Transfection of Cells with Plasmids	prostate adenocarcinoma)	
Transfection of Cens with Plasmids		
G. 11	C4 11 AD/C4 11	
Stable or transient transection	Stable AR/Stable reporter	
AR expression vector	pCMV5-hAR	
AR source	human	
Reporter vector	MMTV.pMAMneo-Luc	
Endpoint measured	Luciferase activity	
Plasmid transfected for cell toxicity	none	
Endpoint measured for cell toxicity	n.a.	
Preparation of Cells for Assay		
Transient		
Pregrowth of cells before transient		
transfection	n.a.	
Time from transient transfection to		
treatment of cells	n.a.	
Stable		
Silvere		
Plating time prior to treatment with test		
substance	24 hours	
Transcriptional Activation Assay		
Test substance solvent	DMSO	
No. of replicates	n.p.	
No. of times assay repeated	n.p.	
Test substance incubation time	18 hours	
Agonism assay		
Reference ligand	5 -Dihydrotestosterone	
Final concentration of reference ligand	n.p.	
Antagonism assay		
Reference ligand	5 -Dihydrotestosterone	

Abbreviations: n.a. = not applicable;