

## Data Sorted by Substance and Assay

Assay Type*	Substance	CASRN†	Purity (%)††	IC <sub>50</sub> (μM)**	SD of IC <sub>50</sub> **	HDT (μM)	Ki (μM)**	RBA***	log RBA***	Reference
hER -FP	4,4'-(1,3-Adamantanediyl)diphenol			0.2	0.001			6.5	0.813	Nikov et al. (2001)
hER -FP	2-(1-Adamantyl)-4-methylphenol	41031-50-9				10				Nikov et al. (2001)
hER -FP	4-(1-Adamantyl)phenol	29799-07-3		1	1			1.3	0.114	Nikov et al. (2001)
hER	Alachlor	15972-60-8				50				Klotz et al. (1996)
RUC	Alachlor	15972-60-8	98.8			100				Blair et al. (2000)
RUC	Aldosterone	52-39-1	98			100				Blair et al. (2000)
RUC	Aldrin	309-00-2	98			600				Blair et al. (2000)
hER -FP	Allethrin	584-79-2	> 93			10				Saito et al. (2000)
RUC	<i>p</i> -(7-(Alloxy)-11-ethyl-dibenzo- <i>b,f</i> thiepin-10-yl)phenol	85850-86-8						5.2	0.716	Acton et al. (1983)
RUC	<i>p</i> -(3-(Alloxy)-11-ethyl-6 <i>H</i> -dibenzo- <i>b,f</i> thiocien-12-yl)phenol hemihydrate	85850-88-0						9.2	0.964	Acton et al. (1983)
RUC	<i>p</i> -(2-(Alloxy)-6-ethyl-11,12-dihydroxydibenzo[ <i>a,e</i> ]cyclooctene-5-yl)phenol	85850-87-9						15	1.176	Acton et al. (1983)
RUC	3-(Alloxy)-10-ethyl-11-(4-hydroxyphenyl)dibenzo[ <i>b,f</i> ]thiepin	85850-85-7						0.21	-0.678	Acton et al. (1983)
RUC	3-(Alloxy)-10-ethyl-11-phenyldibenzo[ <i>b,f</i> ]thiepin	85850-82-4						0.54	-0.268	Acton et al. (1983)
RUC	3-(Alloxy)-11-ethyl-12-phenyl 6 <i>H</i> -dibenzo[ <i>b,f</i> ]thiocien	85850-84-6						0.12	-0.921	Acton et al. (1983)
RUC	3-(Alloxy)-10-ethyl-11-phenyldibenz[ <i>b,f</i> ]oxepin	83807-07-2						0.1	-1.000	Acton et al. (1983)
RUC	3-(Alloxy)-11-ethyl-12-phenyl 5,6-dihydroxydibenzo- [ <i>a,e</i> ]cyclooctene	85850-83-5						0.36	-0.444	Acton et al. (1983)
RUC	Amaranth	915-67-3	80			100				Blair et al. (2000)
MCF-7 cytosol	2-Aminoestratriene-3,17 -diol	107900-30-1						12	1.079	Brooks et al. (1987)
MCF-7 cytosol	4-Aminoestratriene-3,17 -diol	107900-31-2						16	1.204	Brooks et al. (1987)
MCF-7 cytosol	2-Aminoestratrien-17 -ol	17522-06-4						4	0.602	Brooks et al. (1987)
MCF-7 cytosol	4-Aminoestratrien-17 -ol	17522-04-2						0.17	-0.770	Brooks et al. (1987)
RUC	4-Aminophenyl ether	101-80-4	99			1000				Blair et al. (2000)
hER	4- <i>tert</i> -Amylphenol	80-46-6				10				Kuiper et al. (1998) [method a]
hER	4- <i>tert</i> -Amylphenol	80-46-6				10				Kuiper et al. (1998) [method a]
RUC	4- <i>tert</i> -Amylphenol	80-46-6	99	165	45			0.0005	-3.260	Blair et al. (2000)
hER	3 -Androstenediol	25126-76-5					0.006	3	0.477	Kuiper et al. (1997)
rER	3 -Androstenediol	25126-76-5					0.002	7	0.845	Kuiper et al. (1997)
MUC	5 -Androstane-3 ,17 -diol	1852-53-5				10				Korach (1979)
RUC	5 -Androstane-3 ,17 -diol	1852-53-5	99	42	1.6			0.002	-2.670	Blair et al. (2000)
MCF-7 cytosol	5 -Androstane-3 ,17 -diol	1852-53-5				0.1				VanderKuur et al. (1993)
hER	5 -Androstane-3 ,17 -diol	571-20-0					0.26	0.07	-1.150	Kuiper et al. (1997)
MUC	5 -Androstane-3 ,17 -diol	571-20-0						0.5	-0.300	Korach (1979)
rER	5 -Androstane-3 ,17 -diol	571-20-0					0.048	0.3	-0.523	Kuiper et al. (1997)
MCF-7 cytosol	5 -Androstane-3 ,17 -diol	571-20-0						0.005	-2.301	VanderKuur et al. (1993)
RUC	5 -Androstane-3 ,17 -diol	571-20-0		0.75	0.13			0.12	-0.920	Blair et al. (2000)
MUC	5 -Androstane-3 ,17 -diol	1851-23-6				10				Korach (1979)
hER	5 -Androstanedione	1229-12-5				100				Kuiper et al. (1997)
rER	5 -Androstanedione	1229-12-5				100				Kuiper et al. (1997)
hER	5 -Androstane-3,17-dione	5982-99-0				100				Kuiper et al. (1997)
MUC	5 -Androstane-3,17-dione	5982-99-0				10				Korach (1979)
rER	5 -Androstane-3,17-dione	5982-99-0				100				Kuiper et al. (1997)
MUC	5 -Androstane-3 -ol-17-one	53-41-8				10				Korach (1979)
hER	4-Androstenediol	1156-92-9					0.023	0.5	-0.300	Kuiper et al. (1997)
rER	4-Androstenediol	1156-92-9					0.019	0.6	-0.222	Kuiper et al. (1997)
hER	5-Androstenediol	521-17-5					0.0036	6	0.778	Kuiper et al. (1997)

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hER	5-Androstenediol	521-17-5						1	0.000	Kuiper et al. (1998) [method a]
hER	5-Androstenediol	521-17-5		0.024				3.9	0.590	Kuiper et al. (1998) [method b]
hER	5-Androstenediol	521-17-5						7	0.845	Kuiper et al. (1998) [method a]
hER	5-Androstenediol	521-17-5		0.005				21.2	1.330	Kuiper et al. (1998) [method b]
RBC	5-Androstenediol	521-17-5						1	0.000	Korenman (1969)
rER	5-Androstenediol	521-17-5					0.0009	17	1.230	Kuiper et al. (1997)
hER	4-Androstenedione	63-05-8				100				Kuiper et al. (1997)
MCF-7 cytosol	4-Androstenedione	63-05-8						0.007	-2.155	VanderKuur et al. (1993)
MUC	4-Androstenedione	63-05-8				10				Korach (1979)
rER	4-Androstenedione	63-05-8				100				Kuiper et al. (1997)
MCF-7 cells	Anthracene	120-12-7				5				Arcaro et al. (1999)
hER	Apigenin	520-36-5						0.3	-0.523	Kuiper et al. (1998) [method a]
hER	Apigenin	520-36-5						6	0.778	Kuiper et al. (1998) [method a]
hER	Apigenin	520-36-5		0.058				2	0.301	Kuiper et al. (1998) [method b]
RUC	Apigenin	520-36-5						0.028	-0.620	Fang et al. (2001)
RUC	Aroclor 1221	11104-28-2				100 *				Nelson (1974)
RUC	Aroclor 1254	11097-69-1				100				Nelson (1974)
GST-aERdef	Atrazine	1912-24-9				100				Matthews et al. (2000)
GST-cERdef	Atrazine	1912-24-9				100				Matthews et al. (2000)
GST-hER def	Atrazine	1912-24-9				100				Matthews et al. (2000)
GST-mER def	Atrazine	1912-24-9				100				Matthews et al. (2000)
GST-rtERdef	Atrazine	1912-24-9				100				Matthews et al. (2000)
hER -FP	Atrazine	1912-24-9	99.1			2000				Hanioka et al. (1999)
RUC	Atrazine	1912-24-9	98			100				Blair et al. (2000)
RUC	Atrazine	1912-24-9					1000	0.0003	-3.523	Waller et al. (1996)
RUC	Aurin	603-45-2		2.8	1.8			0.032	-1.490	Blair et al. (2000)
RUC	Baicalein	491-67-8						0.0009	-3.046	Fang et al. (2001)
hER	Benomyl	17804-35-2				50				Klotz et al. (1996)
GST-hER def	Benzo[a]anthracene	56-55-3				10				Fertuck et al. (2001)
hER	Benzo[a]anthracene	56-55-3				10				Fertuck et al. (2001)
MCF-7 cells	Benzo[a]anthracene	56-55-3						33	1.519	Arcaro et al. (1999)
MCF-7 cells	Benzenecetonitrile -[bis(4-hydroxyphenyl) methylene]	66422-14-8						8.5	0.929	Stoessel and Leclercq (1986)
MCF-7 cytosol	Benzenecetonitrile -[bis(4-hydroxyphenyl) methylene]	66422-14-8						100	2.000	Stoessel and Leclercq (1986)
GST-hER def	Benzo[a]carbazole	239-01-0				10				Fertuck et al. (2001)
hER	Benzo[a]carbazole	239-01-0				10				Fertuck et al. (2001)
GST-hER def	Benzo[c]carbazole					10				Fertuck et al. (2001)
hER	Benzo[c]carbazole					10				Fertuck et al. (2001)
MCF-7 cells	Benzo[f]fluoranthene	205-99-2						17	1.230	Arcaro et al. (1999)
MCF-7 cells	Benzo[k]fluoranthene	207-08-9						27	1.431	Arcaro et al. (1999)
RUC	Benzo[a]fluorene	238-84-6	98			33.3				Blair et al. (2000)
GST-hER def	Benzo[b]fluorene	243-17-4				10				Fertuck et al. (2001)
hER	Benzo[b]fluorene	243-17-4				10				Fertuck et al. (2001)
GST-hER def	Benzo[b]naphtho[2,1-d]thiophene	239-35-0				10				Fertuck et al. (2001)
hER	Benzo[b]naphtho[2,1-d]thiophene	239-35-0				10				Fertuck et al. (2001)
GST-hER def	Benzo[b]naphtho[2,3-d]thiophene	243-46-9				10				Fertuck et al. (2001)
hER	Benzo[b]naphtho[2,3-d]thiophene	243-46-9				10				Fertuck et al. (2001)
MCF-7 cells	Benzo[ghi]perylene	191-24-2				5				Arcaro et al. (1999)
GST-hER def	Benzo[c]phenanthrene	195-19-7				10				Fertuck et al. (2001)

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hER	Benzo[ <i>c</i> ]phenanthrene	195-19-7				10				Fertuck et al. (2001)
MCF-7 cells	Benzo[ <i>a</i> ]pyrene	50-32-8						14	1.146	Arcaro et al. (1999)
MCF-7 cells	Benzo[ <i>e</i> ]pyrene	192-97-2						57	1.756	Arcaro et al. (1999)
RUC	Benzyl alcohol	100-51-6	99.7			10000				Blair et al. (2000)
RUC	4-Benzyloxyphenol	103-16-2	99	250	50			0.00036	-3.440	Blair et al. (2000)
RUC	Benzylparaben	94-18-8	99	31.5	3.5			0.003	-2.540	Blair et al. (2000)
hER	Biochanin A	491-80-5				10				Kuiper et al. (1998) [method a]
hER	Biochanin A	491-80-5				10				Kuiper et al. (1998) [method a]
RUC	Biochanin A	491-80-5						0.0043	-2.370	Fang et al. (2001)
RUC	Bis( <i>m</i> -acetoxy)-1,1,2-triphenylbut-1-ene	100808-56-8						12	1.079	Jordan et al. (1986)
RUC	Bis( <i>p</i> -acetoxy)-1,1,2-triphenylbut-1-ene	100808-54-6						73	1.863	Jordan et al. (1986)
RUC	Bisdesoxyestradiol	1217-09-0		5				0.1	-1.000	Elsby et al. (2000)
RUC	1,1-Bis(4-hydroxyphenyl) ethane	2081-08-5	97					0.0009	-3.046	Perez et al. (1998)
RUC	4,4-Bis(4-hydroxyphenyl) heptane	7425-79-8	97					0.15	-0.824	Perez et al. (1998)
MCF-7 cells	3,4-Bis(3-hydroxyphenyl)- hexane	68266-24-0						20	1.301	Stoessel and Leclercq (1986)
MCF-7 cytosol	3,4-Bis(3-hydroxyphenyl)- hexane	68266-24-0						10	1.000	Stoessel and Leclercq (1986)
RUC	3,3-Bis(4-hydroxyphenyl) pentane	3600-64-4	97					0.18	-0.745	Perez et al. (1998)
RUC	1,1-Bis(4-hydroxyphenyl) propane	1576-13-2	97					0.15	-0.824	Perez et al. (1998)
RUC	2,2-Bis(4-hydroxyphenyl) propanol	142648-65-5	97					0.0075	-2.125	Perez et al. (1998)
GST-aERdef	(2,2-Bis( <i>p</i> -hydroxyphenyl)-1,1,1-trichlorethane	2971-36-0		0.064	0.017			4.8	0.681	Matthews et al. (2000)
GST-cERdef	(2,2-Bis( <i>p</i> -hydroxyphenyl)-1,1,1-trichlorethane	2971-36-0		0.068	0.022			4.8	0.681	Matthews et al. (2000)
GST-mER def	(2,2-Bis( <i>p</i> -hydroxyphenyl)-1,1,1-trichlorethane	2971-36-0		0.22	0.02			1.2	0.079	Matthews et al. (2000)
GST-rtERdef	(2,2-Bis( <i>p</i> -hydroxyphenyl)-1,1,1-trichlorethane	2971-36-0		0.024	0.001			14	1.146	Matthews et al. (2000)
hER -FP	(2,2-Bis( <i>p</i> -hydroxyphenyl)-1,1,1-trichlorethane	2971-36-0	99	0.75				1.7	0.230	Bolger et al. (1998)
GST-hER def	(2,2-Bis( <i>p</i> -hydroxyphenyl)-1,1,1-trichlorethane	2971-36-0		0.25	0.08			1.2	0.079	Matthews et al. (2000)
hER	2,2-Bis( <i>p</i> -hydroxyphenyl)-1,1,1-trichlorethane	2971-36-0	> 97	1				0.4	-0.398	Gaido et al. (1999)
hER	2,2-Bis( <i>p</i> -hydroxyphenyl)-1,1,1-trichlorethane	2971-36-0	> 97					2	0.301	Gaido et al. (1999)
MUC	2,2-Bis( <i>p</i> -hydroxyphenyl)-1,1,1-trichlorethane	2971-36-0	> 99	0.15				1.2	0.079	Shelby et al. (1996)
RUC	2,2-Bis( <i>p</i> -hydroxyphenyl)-1,1,1-trichlorethane	2971-36-0					0.05	5.2	0.716	Waller et al. (1996)
RUC	2,2-Bis( <i>p</i> -hydroxyphenyl)-1,1,1-trichlorethane	2971-36-0	98	0.355	0.015			0.25	-0.600	Blair et al. (2000)
RUC	2,2-Bis( <i>p</i> -hydroxyphenyl)-1,1,1-trichlorethane	2971-36-0		0.141			0.053	0.75	-0.122	Laws et al. (2000)
GST-aERdef	Bisphenol A	80-05-7		2.4	1.6			0.13	-0.886	Matthews et al. (2000)
GST-cERdef	Bisphenol A	80-05-7		7.3	1.9			0.044	-1.357	Matthews et al. (2000)
GST-hER def	Bisphenol A	80-05-7		36	16			0.008	-2.097	Matthews et al. (2000)
GST-mER def	Bisphenol A	80-05-7		31	7			0.0086	-2.066	Matthews et al. (2000)
GST-rtERdef	Bisphenol A	80-05-7		1.6	0.3			0.21	-0.678	Matthews et al. (2000)
hER	Bisphenol A	80-05-7					0.20	0.05	-1.300	Kuiper et al. (1997)
hER	Bisphenol A	80-05-7						0.01	-2.000	Kuiper et al. (1998) [method a]
hER	Bisphenol A	80-05-7		150				0.003	-2.48	Morito et al. (2001)
hER -FP	Bisphenol A	80-05-7	99	32				0.04	-1.398	Bolger et al. (1998)
hER -FP	Bisphenol A	80-05-7	> 99	100				0.01	-2.000	Hashimoto et al. (2000)
hER	Bisphenol A	80-05-7						0.01	-2.000	Kuiper et al. (1998) [method a]
hER	Bisphenol A	80-05-7		8				0.063	-1.20	Morito et al. (2001)
MCF-7 cells	Bisphenol A	80-05-7	100					0.006	-2.222	Nagel et al. (1997)

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MCF-7 cytosol	Bisphenol A	80-05-7		0.9				1	0.000	Dodge et al. (1996)
MUC	Bisphenol A	80-05-7	99.9	26	11			0.01	-1.939	Matthews et al. (2001)
RBC	Bisphenol A	80-05-7	99	1.6				0.0013	-2.886	Andersen et al. (1999)
rER	Bisphenol A	80-05-7					0.035	0.33	-0.481	Kuiper et al. (1997)
RUC	Bisphenol A	80-05-7	99	4.192			1.57	0.026	-1.590	Laws et al. (2000)
RUC	Bisphenol A	80-05-7		10				0.12	-0.921	Olea et al. (1996)
RUC	Bisphenol A	80-05-7					1.45	0.1793	-0.746	Waller et al. (1996)
RUC	Bisphenol A	80-05-7	99	11.7	6.4			0.008	-2.110	Blair et al. (2000)
RUC	Bisphenol A	80-05-7						0.056	-1.252	Perez et al. (1998)
RUC	Bisphenol A bis(chloroformate)	2024-88-6						0.023	-1.638	Perez et al. (1998)
RUC	Bisphenol A diglycidyl ether	1675-54-3				100				Olea et al. (1996)
RUC	Bisphenol A diglycidyl ether	1675-54-3				200				Perez et al. (1998)
hER -FP	Bisphenol A diglycidyl ether dimethacrylate	1565-94-2	99			5000				Hashimoto et al. (2000)
RUC	Bisphenol A diglycidyl ether dimethacrylate	1565-94-2				100				Olea et al. (1996)
RUC	Bisphenol A diglycidyl ether dimethacrylate	1565-94-2				200				Perez et al. (1998)
RBC	Bisphenol A dimethacrylate	3253-39-2	99.7	4.3				0.00047	-3.328	Andersen et al. (1999)
RUC	Bisphenol A dimethacrylate	3253-39-2		300				0.033	-1.481	Olea et al. (1996)
RUC	Bisphenol A dimethacrylate	3253-39-2						0.0015	-2.824	Perez et al. (1998)
RUC	Bisphenol A ethoxylate	68140-85-2				200				Perez et al. (1998)
RUC	Bisphenol A ethoxylate diacrylate	64401-02-1						0.0005	-3.301	Perez et al. (1998)
MUC	Bisphenol A glucuronide					100				Matthews et al. (2001)
RUC	Bisphenol A propoxylate	37353-75-6				200				Perez et al. (1998)
RUC	Bisphenol AF	1478-61-1	97					1	0.000	Perez et al. (1998)
RUC	Bisphenol B	77-40-7		1.05	0.46			0.086	-1.070	Blair et al. (2000)
RUC	Bisphenol B	77-40-7	97					0.15	-0.824	Perez et al. (1998)
RUC	Bisphenol C	79-97-0	97					0.25	-0.602	Perez et al. (1998)
MCF-7 cells	Bisphenol C 2	14868-03-2						0.3	-0.523	Stoessel and Leclerq (1986)
MCF-7 cytosol	Bisphenol C 2	14868-03-2						2	0.301	Stoessel and Leclerq (1986)
RUC	Bisphenol C 2	14868-03-2	98	0.034	0.004			2.64	0.420	Blair et al. (2000)
RUC	Bisphenol E	6052-84-2		2.45	0.35			0.037	-1.440	Blair et al. (2000)
RUC	2,2'-Bisphenol F	2467-02-9	98			10				Blair et al. (2000)
RUC	4,4'-Bisphenol F	620-92-8	98	95	5			0.0009	-3.020	Blair et al. (2000)
RUC	4,4'-Bisphenol F	620-92-8						0.15	-0.824	Perez et al. (1998)
RUC	Bisphenol S	80-09-1	99	105	35			0.0009	-3.070	Blair et al. (2000)
hER	16 -Bromo-17 -estradiol	54982-79-5						76	1.881	Kuiper et al. (1998) [method a]
hER	16 -Bromo-17 -estradiol	54982-79-5		0.00172				54.0	1.730	Kuiper et al. (1998) [method b]
hER	16 -Bromo-17 -estradiol	54982-79-5						10	1.000	Kuiper et al. (1998) [method a]
hER	16 -Bromo-17 -estradiol	54982-79-5		0.0063				16.8	1.230	Kuiper et al. (1998) [method b]
MCF-7 cells	1,3-Butanediol, 4-[4-(1,2,3,4-tetrahydro-6-hydroxy-2-phenyl-1-naphthalenyl)phenoxy]-	107144-85-4						7	0.845	Stoessel and Leclerq (1986)
MCF-7 cytosol	1,3-Butanediol, 4-[4-(1,2,3,4-tetrahydro-6-hydroxy-2-phenyl-1-naphthalenyl)phenoxy]-	107144-85-4						30	1.477	Stoessel and Leclerq (1986)
MCF-7 cells	1,3-Butanediol, 4-[4-[1,2,3,4-tetrahydro-6-methoxy-2-phenyl-1-naphthyl)-phenoxy]-	107163-56-4						0.06	-1.222	Stoessel and Leclerq (1986)
MCF-7 cytosol	1,3-Butanediol, 4-[4-[1,2,3,4-tetrahydro-6-methoxy-2-phenyl-1-naphthyl)-phenoxy]-	107163-56-4						0.1	-1.000	Stoessel and Leclerq (1986)
RUC	Butolame	150748-23-5		6				0.14	-0.854	Jaimez et al. (2000)
RUC	Butyl 4-aminobenzoate	94-25-7	99			100				Blair et al. (2000)

## Data Sorted by Substance and Assay

Assay Type*	Substance	CASRN†	Purity (%)‡†	IC <sub>50</sub> (µM)**	SD of IC <sub>50</sub> **	HDT (µM)	Ki (µM)**	RBA***	log RBA***	Reference
RUC	<i>n</i> -Butylbenzene	104-51-8	99			200				Blair et al. (2000)
RUC	<i>sec</i> -Butylbenzene	135-98-8	99			1000				Blair et al. (2000)
GST-aERdef	Butyl benzyl phthalate	85-68-7				100				Mathews et al. (2000)
GST-cERdef	Butyl benzyl phthalate	85-68-7				100				Mathews et al. (2000)
GST-hER def	Butyl benzyl phthalate	85-68-7				100				Mathews et al. (2000)
GST-mER def	Butyl benzyl phthalate	85-68-7				100				Mathews et al. (2000)
GST-rtERdef	Butyl benzyl phthalate	85-68-7				100				Mathews et al. (2000)
hER -FP	Butyl benzyl phthalate	85-68-7	98	105				0.012	-1.921	Bolger et al. (1998)
hER -FP	Butyl benzyl phthalate	85-68-7	97	5000				0.0002	-3.699	Hashimoto et al. (2000)
RBC	Butyl benzyl phthalate	85-68-7	97			100				Andersen et al. (1999)
RUC	Butyl benzyl phthalate	85-68-7	98			1000				Blair et al. (2000)
RUC	Butyl benzyl phthalate	85-68-7				500				Elsby et al. (2000)
RUC	Butyl benzyl phthalate	85-68-7				100				Fang et al. (2001)
RUC	Butyl benzyl phthalate	85-68-7					76.38	0.0034	-2.470	Waller et al. (1996)
RUC	Butyl benzyl phthalate	85-68-7	98.5	36				0.000036	-4.444	Zacharewski et al. (1998)
RUC	Butylparaben	94-26-8	99	105	35			0.0009	-3.07	Blair et al. (2000)
RUC	Butylparaben	94-26-8	> 99	10				0.002	-2.699	Routledge et al. (1998)
RUC	2- <i>sec</i> -Butylphenol	89-72-5	98	315	5			0.00029	-3.540	Blair et al. (2000)
RUC	2- <i>tert</i> -Butylphenol	88-18-6					232	0.0011	-2.959	Waller et al. (1996)
RUC	3- <i>tert</i> -Butylphenol	585-34-2					395	0.0007	-3.155	Waller et al. (1996)
RUC	4- <i>sec</i> -Butylphenol	99-71-8	96	210	30			0.00043	-3.37	Blair et al. (2000)
hER	4- <i>tert</i> -Butylphenol	98-54-4				10				Kuiper et al. (1998) [method a]
hER	4- <i>tert</i> -Butylphenol	98-54-4				10				Kuiper et al. (1998) [method a]
RUC	4- <i>tert</i> -Butylphenol	98-54-4					161	0.0016	-2.796	Waller et al. (1996)
RUC	4- <i>tert</i> -Butylphenol	98-54-4	99	368	83			0.00024	-3.610	Blair et al. (2000)
hER -FP	Butyl phthalyl <i>n</i> -butyl glycolate	85-70-1	93			5000				Hashimoto et al. (2000)
RUC	Caffeine	58-08-2	100			100				Blair et al. (2000)
RUC	Carbaryl	63-25-2	99			100				Blair et al. (2000)
RUC	Carbofuran	1563-66-2	98			100				Blair et al. (2000)
RUC	Castor oil	8001-79-4				100				Blair et al. (2000)
RUC	(±)-Catechin	7295-85-4				100				Fang et al. (2001)
RUC	Chalcone	94-41-7						0.0015	-2.820	Fang et al. (2001)
hER	Chlordane	57-74-9	95 - 99			10				Arcaro et al. (2000)
RUC	-Chlordane	5103-71-9				1000				Blair et al. (2000)
RBC	Chloroquat chloride	999-81-5	97			100				Andersen et al. (1999)
hER -FP	2-Chloro-4-amino-6-isopropylamino-1,3,5-triazine	6190-65-4	99.7	951	105			0.00002	-4.699	Hanioka et al. (1999)
MUC	2'-Chloro-4,4'-biphenyldiol	56858-70-9	> 98	0.0900				1.11	0.045	Korach et al. (1988)
MUC	2-Chloro-4-biphenylol	23719-22-4	> 98	2.50				0.040	-1.398	Korach et al. (1988)
RUC	2-Chloro-4-biphenylol	23719-22-4	95	52.5	25.5			0.002	-2.770	Blair et al. (2000)
MUC	4-Chloro-4'-biphenylol	28034-99-3	> 98	3.9				0.026	-1.585	Korach et al. (1988)
MUC	4-Chloro-4'-biphenylol	28034-99-3					5.57	0.047	-1.330	Waller et al. (1996)
RUC	4-Chloro-4'-biphenylol	28034-99-3	95	13.5	1.5			0.007	-2.180	Blair et al. (2000)
RUC	4-Chloro- <i>m</i> -cresol	59-50-7	99	215	15			0.00042	-3.380	Blair et al. (2000)
RUC	2-Chloro-4,6-diamino-5-triazine	3397-62-4					1000	0.0003	-3.523	Waller et al. (1996)
hER -FP	2-Chloro-4-ethylamino-6-amino-1,3,5-triazine	1007-28-9	99.2			2000				Hanioka et al. (1999)
hER -FP	2-Chloro-4-ethylamino-6-(1-hydroxyisopropylamino)-1,3,5-triazine	142179-80-4	99.5			2000				Hanioka et al. (1999)
hER -FP	2-Chloro-4-isopropylamino-6-(1-hydroxyisopropylamino)-1,3,5-triazine	142200-36-0	99.1			2000				Hanioka et al. (1999)

## Data Sorted by Substance and Assay

Assay Type*	Substance	CASRN†	Purity (%)††	IC <sub>50</sub> (μM)**	SD of IC <sub>50</sub> **	HDT (μM)	Ki (μM)**	RBA***	log RBA***	Reference
MCF-7 cells	11 -Chloromethylestradiol	71794-60-0						96	1.982	Stoessel and Leclerq (1986)
MCF-7 cytosol	11 -Chloromethylestradiol	71794-60-0						100	2.000	Stoessel and Leclerq (1986)
RUC	2-Chloro-4-methylphenol	6640-27-3	97	415	175			0.00022	-3.660	Blair et al. (2000)
RUC	4-Chloro-2-methylphenol	1570-64-5	97	425	105			0.00021	-3.670	Blair et al. (2000)
RUC	2-Chlorophenol	95-57-8	99			200				Blair et al. (2000)
RUC	4-Chlorophenol	106-48-9	90	25.5	1.5			0.004	-2.450	Blair et al. (2000)
RUC	Chlorotamoxifen	77588-46-6				10				Allen et al. (1980)
RUC	Cholesterol	57-88-5	99			1000				Blair et al. (2000)
GST-hER def	Chrysene	218-01-9				10				Fertuck et al. (2001)
hER	Chrysene	218-01-9				10				Fertuck et al. (2001)
MCF-7 cells	Chrysene	218-01-9						13	1.114	Arcao et al. (1999)
RUC	Chrysene	218-01-9	98			10				Blair et al. (2000)
hER	Chrysin	480-40-0				10				Kuiper et al. (1998) [method a]
hER	Chrysin	480-40-0				10				Kuiper et al. (1998) [method a]
RUC	Chrysin	480-40-0				100				Fang et al. (2001)
RUC	Cineole	470-82-6	90			10000				Blair et al. (2000)
RUC	Cinnamic acid	621-82-9	99.9			1000				Blair et al. (2000)
RBC	<i>cis</i> -Clomiphene	15690-55-8						0.12	-0.910	Korenman (1970)
hER	<i>trans</i> -Clomiphene	911-45-5					0.0009	25	1.398	Kuiper et al. (1997)
RBC	<i>trans</i> -Clomiphene	911-45-5						0.0081	-2.092	Korenman (1970)
rER	<i>trans</i> -Clomiphene	911-45-5					0.0012	12	1.079	Kuiper et al. (1997)
RUC	Clomiphene citrate	50-41-9	98	0.125	0.075			0.72	-0.140	Blair et al. (2000)
RBC	Colchicine	64-86-8	95			100				Andersen et al. (1999)
hER	Corticosterone	50-22-6				100				Kuiper et al. (1997)
rER	Corticosterone	50-22-6				100				Kuiper et al. (1997)
RUC	Corticosterone	50-22-6	95			100				Blair et al. (2000)
MUC	Cortisol	50-23-7				10				Korach (1979)
GST-aERdef	Coumestrol	479-13-0		0.1	0.04			3.1	0.491	Mathews et al. (2000)
GST-cERdef	Coumestrol	479-13-0		0.46	0.1			0.7	-0.155	Mathews et al. (2000)
GST-hER def	Coumestrol	479-13-0		0.036	0.03			0.81	-0.092	Mathews et al. (2000)
GST-mER def	Coumestrol	479-13-0		0.8	0.32			0.33	-0.481	Mathews et al. (2000)
GST-rtERdef	Coumestrol	479-13-0		1.4	0.1			0.24	-0.620	Mathews et al. (2000)
hER	Coumestrol	479-13-0					0.00014	94	1.970	Kuiper et al. (1997)
hER	Coumestrol	479-13-0						20	1.301	Kuiper et al. (1998) [method a]
hER	Coumestrol	479-13-0		0.0027				34	1.532	Kuiper et al. (1998) [method b]
hER -FP	Coumestrol	479-13-0		0.109	0.001			12	1.079	Nikov et al. (2000)
hER	Coumestrol	479-13-0						140	2.146	Kuiper et al. (1998) [method a]
hER	Coumestrol	479-13-0		0.0011				100	2.000	Kuiper et al. (1998) [method b]
MCF-7 cytosol	Coumestrol	479-13-0		0.01				13	1.114	Dodge et al. (1996)
rER	Coumestrol	479-13-0					0.00007	185	2.267	Kuiper et al. (1997)
RUC	Coumestrol	479-13-0						0.9	-0.045	Fang et al. (2001)
RUC	Coumestrol	479-13-0					0.093	2.82	0.450	Waller et al. (1996)
RUC	<i>p</i> -Cumyl phenol	599-64-4						0.005	-2.301	Fang et al. (2001)
MCF-7 cells	Cyclofenil diphenol	5189-40-2						0.5	-0.301	Stoessel and Leclerq (1986)
MCF-7 cytosol	Cyclofenil diphenol	5189-40-2						5	0.699	Stoessel and Leclerq (1986)
MCF-7 cells	Cycloprop[14 <i>R</i> ,15 <i>J</i> estra-1,3,5(10)-triene-3,17-diol,3',15'-dihydro-	73860-54-5						39	1.591	Stoessel and Leclerq (1986)
MCF-7 cytosol	Cycloprop[14 <i>R</i> ,15 <i>J</i> estra-1,3,5(10)-triene-3,17-diol,3',15'-dihydro-	73860-54-5						45	1.653	Stoessel and Leclerq (1986)

## Data Sorted by Substance and Assay

Assay Type*	Substance	CASRN†	Purity (%)††	IC <sub>50</sub> (μM)**	SD of IC <sub>50</sub> **	HDT (μM)	Ki (μM)**	RBA***	log RBA***	Reference
MCF-7 cells	Cycloprop[14S ,15b]estra-1,3,5(10)-triene-3,17 -diol, 3', 15-dihydro-	105455-76-3						81	1.908	Stoessel and Leclerq (1986)
MCF-7 cytosol	Cycloprop[14S ,15b]estra-1,3,5(10)-triene-3,17 -diol, 3', 15-dihydro-	105455-76-3						100	2.000	Stoessel and Leclerq (1986)
hER -FP	Cypermethrin	52315-07-8	> 93			10				Saito et al. (2000)
hER	Daidzein	486-66-8						0.1	-1.000	Kuiper et al. (1998) [method a]
hER	Daidzein	486-66-8		0.42				0.2	-0.699	Kuiper et al. (1998) [method b]
hER	Daidzein	486-66-8		23				0.022	-1.66	Morito et al. (2001)
hER -FP	Daidzein	486-66-8		7	1			0.2	-0.699	Nikov et al. (2000)
hER	Daidzein	486-66-8						0.5	-0.301	Kuiper et al. (1998) [method a]
hER	Daidzein	486-66-8		0.1				1	0.000	Kuiper et al. (1998) [method b]
hER	Daidzein	486-66-8		0.45				1.11	0.05	Morito et al. (2001)
RUC	Daidzein	486-66-8						0.023	-1.638	Fang et al. (2001)
RUC	<i>m,p</i> '-DDD	4329-12-8				100				Nelson (1974)
hER	<i>o,p</i> '-DDD	53-19-0				50				Klotz et al. (1996)
hER	<i>o,p</i> '-DDD	53-19-0				10				Kuiper et al. (1998) [method a]
hER	<i>o,p</i> '-DDD	53-19-0				10				Kuiper et al. (1998) [method a]
RUC	<i>o,p</i> '-DDD	53-19-0	99.2			300				Blair et al. (2000)
RUC	<i>o,p</i> '-DDD	53-19-0		10				0.009	-2.045	Nelson (1974)
hER	<i>p,p</i> '-DDD	72-54-8		11				0.009	-2.050	Klotz et al. (1996)
hER	<i>p,p</i> '-DDD	72-54-8				10				Kuiper et al. (1998) [method a]
hER	<i>p,p</i> '-DDD	72-54-8				10				Kuiper et al. (1998) [method a]
RUC	<i>p,p</i> '-DDD	72-54-8					1000	0.0003	-3.523	Waller et al. (1996)
RUC	<i>p,p</i> '-DDD	72-54-8	98.5			100				Blair et al. (2000)
RUC	<i>p,p</i> '-DDD	72-54-8				100				Nelson (1974)
hER	<i>o,p</i> '-DDE	3424-82-6				10				Kuiper et al. (1998) [method a]
hER	<i>o,p</i> '-DDE	3424-82-6				10				Kuiper et al. (1998) [method a]
GST-aERdef	<i>o,p</i> '-DDE	3424-82-6				100				Matthews et al. (2000)
GST-cERdef	<i>o,p</i> '-DDE	3424-82-6				100				Matthews et al. (2000)
GST-hER def	<i>o,p</i> '-DDE	3424-82-6				100				Matthews et al. (2000)
GST-mER def	<i>o,p</i> '-DDE	3424-82-6				100				Matthews et al. (2000)
GST-rtERdef	<i>o,p</i> '-DDE	3424-82-6		3.2	1			0.11	-0.959	Matthews et al. (2000)
RUC	<i>o,p</i> '-DDE	3242-82-6	99.8			500				Blair et al. (2000)
RUC	<i>o,p</i> '-DDE	3242-82-6		100				0.0009	-3.045	Nelson (1974)
hER	<i>p,p</i> '-DDE	72-55-9				10				Kuiper et al. (1998) [method a]
hER	<i>p,p</i> '-DDE	72-55-9				10				Kuiper et al. (1998) [method a]
RUC	<i>p,p</i> ' DDE	72-55-9				100				Nelson (1974)
RUC	<i>p,p</i> ' DDE	72-55-9					1000	0.0003	-3.523	Waller et al. (1996)
GST-aERdef	<i>p,p</i> '-DDE	72-55-9				100				Matthews et al. (2000)
GST-cERdef	<i>p,p</i> '-DDE	72-55-9				100				Matthews et al. (2000)
GST-hER def	<i>p,p</i> '-DDE	72-55-9				100				Matthews et al. (2000)
GST-mER def	<i>p,p</i> '-DDE	72-55-9				100				Matthews et al. (2000)
GST-rtERdef	<i>p,p</i> '-DDE	72-55-9		8	0.6			0.042	-1.377	Matthews et al. (2000)
RBC	<i>p,p</i> '-DDE	72-55-9	99.7			100				Andersen et al. (1999)
RUC	<i>p,p</i> '-DDE	72-55-9	99.4			100				Blair et al. (2000)
GST-rtERdef	<i>o,p</i> '-DDT	789-02-6		0.78	0.01			0.43	-0.367	Matthews et al. (2000)
hER	<i>o,p</i> '-DDT	789-02-6		1				0.1	-1.000	Klotz et al. (1996)
hER	<i>o,p</i> '-DDT	789-02-6						0.01	-2.000	Kuiper et al. (1998) [method a]
hER	<i>o,p</i> '-DDT	789-02-6						0.02	-1.699	Kuiper et al. (1998) [method a]
MUC	<i>o,p</i> '-DDT	789-02-6	> 99	0.875				0.210	-0.678	Shelby et al. (1996)

## Data Sorted by Substance and Assay

Assay Type*	Substance	CASRN†	Purity (%)††	IC <sub>50</sub> (μM)**	SD of IC <sub>50</sub> **	HDT (μM)	Ki (μM)**	RBA***	log RBA***	Reference
RBC	<i>o,p'</i> '-DDT	789-02-6	99.8	3.4				0.00059	-3.229	Andersen et al. (1999)
RUC	<i>o,p'</i> '-DDT	789-02-6		13.1			0.44	0.011	-1.959	McBlain (1987)
RUC	<i>o,p'</i> '-DDT	789-02-6					2.89	0.09	-1.046	Waller et al. (1996)
hER -FP	<i>o,p'</i> '-DDT	789-02-6	99	2.7				0.4	-0.398	Bolger et al. (1998)
GST-aERdef	<i>o,p'</i> '-DDT	789-02-6				100				Mathews et al. (2000)
GST-cERdef	<i>o,p'</i> '-DDT	789-02-6		3.7	1.2			0.086	-1.066	Mathews et al. (2000)
GST-hER def	<i>o,p'</i> '-DDT	789-02-6				100				Mathews et al. (2000)
GST-mER def	<i>o,p'</i> '-DDT	789-02-6		36	35			0.0073	-2.137	Mathews et al. (2000)
MCF-7 cytosol	<i>o,p'</i> '-DDT	789-02-6		485	42			0.00031	-3.509	Soto et al. (1995)
MCF-7 cells	(-)- <i>o,p'</i> '-DDT	58633-26-4		3				0.013	-1.88	Lascombe et al. (2000)
RUC	<i>o,p'</i> '-DDT	789-02-6	98.5	64.3	8.9			0.001	-2.850	Blair et al. (2000)
RUC	<i>o,p'</i> '-DDT	789-02-6		8.544			3.2	0.013	-1.900	Laws et al. (2000)
RUC	<i>o,p'</i> '-DDT	789-02-6		2				0.045	-1.346	Nelson (1974)
RUC	(-)- <i>o,p'</i> '-DDT	58633-26-4		5			0.17	0.029	-1.538	McBlain (1987)
MCF-7 cells	(+)- <i>o,p'</i> '-DDT	58633-27-5		400				0.0001	-4.00	Lascombe et al. (2000)
RUC	(+)- <i>o,p'</i> '-DDT	58633-27-5				20				McBlain (1987)
hER	<i>p,p'</i> '-DDT	50-29-3				10				Kuiper et al. (1998) [method a]
hER -FP	<i>p,p'</i> '-DDT	50-29-3	98	32				0.041	-1.387	Bolger et al. (1998)
hER	<i>p,p'</i> '-DDT	50-29-3				10				Kuiper et al. (1998) [method a]
GST-aERdef	<i>p,p'</i> '-DDT	50-29-3				100				Mathews et al. (2000)
GST-cERdef	<i>p,p'</i> '-DDT	50-29-3				100				Mathews et al. (2000)
GST-hER def	<i>p,p'</i> '-DDT	50-29-3				100			n.a	Mathews et al. (2000)
GST-mER def	<i>p,p'</i> '-DDT	50-29-3				100				Mathews et al. (2000)
GST-rtERdef	<i>p,p'</i> '-DDT	50-29-3		2	0.4			0.165	-0.783	Mathews et al. (2000)
RUC	<i>p,p'</i> '-DDT	50-29-3					1000	0.0003	-3.523	Waller et al. (1996)
RUC	<i>p,p'</i> '-DDT	50-29-3	99.2			1000				Blair et al. (2000)
RUC	<i>p,p'</i> '-DDT	50-29-3				100				Nelson (1974)
GST-aERdef	Dehydroepiandrosterone	53-43-0				100				Mathews et al. (2000)
GST-cERdef	Dehydroepiandrosterone	53-43-0				100				Mathews et al. (2000)
GST-hER def	Dehydroepiandrosterone	53-43-0				100				Mathews et al. (2000)
GST-mER def	Dehydroepiandrosterone	53-43-0				100				Mathews et al. (2000)
GST-rtERdef	Dehydroepiandrosterone	53-43-0		12	2			0.028	-1.553	Mathews et al. (2000)
hER	Dehydroepiandrosterone	53-43-0					0.25	0.04	-1.398	Kuiper et al. (1997)
rER	Dehydroepiandrosterone	53-43-0					0.16	0.07	-1.155	Kuiper et al. (1997)
RUC	14-Dehydroestradiol-17	58699-19-7						107	2.029	Gabbard and Segaloff (1983)
MCF-7 cytosol	9, 11-Dehydroestradiol							196	2.292	Palomino et al. (1994)
RUC	14-Dehydroestradiol-17 3-methyl ether	35664-58-7						0.8	-0.097	Gabbard and Segaloff (1983)
RUC	14-Dehydroestrone	2119-18-8						9	0.954	Gabbard and Segaloff (1983)
RUC	14-Dehydroestrone 3-methyl ether	17550-11-7				1				Gabbard and Segaloff (1983)
MCF-7 cells	3-Deoxyestradiol	2529-64-8						0.6	-0.222	Brooks et al. (1987)
MCF-7 cytosol	3-Deoxyestradiol	2529-64-8						8	0.903	Brooks et al. (1987)
RUC	3-Deoxyestradiol	2529-64-8		0.18	0.02			0.50	-0.300	Blair et al. (2000)
RUC	3-Deoxyestrone	53-45-2		14.3	5.8			0.006	-2.200	Blair et al. (2000)
MUC	( <i>R</i> )-4'-Deoxyindenestrol A	138515-00-1	> 98	0.556				0.20	-0.699	Chae et al. (1991)
MUC	( <i>rac</i> )-4'-Deoxyindenestrol A		> 98	0.0756				1.30	0.114	Chae et al. (1991)
MUC	( <i>S</i> )-4'-Deoxyindenestrol A	138514-99-5	> 98	0.0644				1.80	0.255	Chae et al. (1991)
MUC	( <i>R</i> )-5-Deoxyindenestrol A	138515-02-3	> 98	0.117				0.90	-0.046	Chae et al. (1991)
MUC	( <i>rac</i> )-5-Deoxyindenestrol A	138472-84-1	> 98	0.027				3.70	0.568	Chae et al. (1991)
MUC	( <i>S</i> )-5-Deoxyindenestrol A	138515-01-2	> 98	0.0177				5.60	0.748	Chae et al. (1991)



## Data Sorted by Substance and Assay

Assay Type*	Substance	CASRN†	Purity (%)††	IC <sub>50</sub> (μM)**	SD of IC <sub>50</sub> **	HDT (μM)	Ki (μM)**	RBA***	log RBA***	Reference
MCF-7 cells	17-Desoxyestradiol	53-63-4						0.5	-0.301	Brooks et al. (1987)
MCF-7 cytosol	17-Desoxyestradiol	53-63-4						40	1.602	Brooks et al. (1987)
RUC	17-Desoxyestradiol	53-63-4		0.00885	0.0032			10.16	1.010	Blair et al. (2000)
RUC	17-Desoxyestradiol	53-63-4		0.00495	0.00085			18.16	1.260	Blair et al. (2000)
RUC	17-Desoxyestradiol	53-63-4		0.009				55.5	1.744	Elsby et al. (2000)
RUC	Dexamethasone	50-02-2				100				Blair et al. (2000)
RUC	1,3-Diacetoxy-17-ethinyl-7-methyl-1,3,5(10)-estratrien-17-ol			0.008				20	1.301	Leibl and Spona (1982)
RUC	4,4'-Diaminostilbene dihydrochloride	66635-40-3	95			100				Blair et al. (2000)
MCF-7 cells	Dibenz[ah]anthracene	53-70-3				5				Arcaro et al. (1999)
RUC	Dibenzo-18-crown-6	14187-32-7	98			10				Blair et al. (2000)
RUC	1,3-Dibenzoyloxy-17-ethinyl-7-methyl-1,3,5(10)-estratrien-17-ol			0.022				7.3	0.863	Leibl and Spona (1982)
RUC	1,3-Dibenzyltetramethylsiloxane					100				Fang et al. (2001)
GST-aERdef	Dibutyl benzyl phthalate					100				Matthews et al. (2000)
GST-cERdef	Dibutyl benzyl phthalate					100				Matthews et al. (2000)
GST-hER def	Dibutyl benzyl phthalate					100				Matthews et al. (2000)
GST-mER def	Dibutyl benzyl phthalate					100				Matthews et al. (2000)
GST-rtERdef	Dibutyl benzyl phthalate			1.7	2.3			0.2	-0.699	Matthews et al. (2000)
RUC	2,6-Di- <i>tert</i> -butylphenol	128-39-2	98			100				Blair et al. (2000)
hER -FP	Dibutyl phthalate	84-74-2	> 98			5000				Hashimoto et al. (2000)
RBC	Dibutyl phthalate	84-74-2	98			100				Andersen et al. (1999)
RUC	Dibutyl phthalate	84-74-2	99			1000				Blair et al. (2000)
RUC	Dibutyl phthalate	84-74-2					100.46	0.0026	-2.590	Waller et al. (1996)
RUC	Dibutyl phthalate	84-74-2	99.9	47				0.0028	-2.553	Zacharewski et al. (1998)
RUC	2,4-Dichlorobiphenyl	34883-43-7	99	365	115			0.0002	-3.610	Blair et al. (2000)
hER	2,5-Dichlorobiphenyl	34883-39-1	≥ 99%			50				Vakharia and Gierthy (2000)
MUC	2',6'-Dichloro-4-biphenylol	79881-33-7	> 98	0.3880				0.26	-0.588	Korach et al. (1988)
hER	3,4-Dichlorobiphenyl	2974-92-7	≥ 99%			50				Vakharia and Gierthy (2000)
hER	3,5-Dichlorobiphenyl	34883-41-5	≥ 99%			50				Vakharia and Gierthy (2000)
RUC	4,4'-Dichlorobiphenyl	2050-68-2	98.6			300				Blair et al. (2000)
hER	2,5-Dichloro-2'-biphenylol	53905-30-9	≥ 99%			50				Vakharia and Gierthy (2000)
hER	2,5-Dichloro-3'-biphenylol	53905-29-6	≥ 99%	50				0.002	-2.700	Vakharia and Gierthy (2000)
hER	2',5'-Dichloro-4-biphenylol	53905-28-5	≥ 99%	3				0.033	-1.480	Vakharia and Gierthy (2000)
MUC	2',5'-Dichloro-4-biphenylol	53905-28-5	> 98	0.5060				0.198	-0.703	Korach et al. (1988)
MUC	2',5'-Dichloro-4-biphenylol	53905-28-5					0.36	0.72	-0.140	Waller et al. (1996)
RUC	2',5'-Dichloro-4-biphenylol	53905-28-5	95	2.5	0.3			0.036	-1.440	Blair et al. (2000)
hER	3,4-Dichloro-2'-biphenylol	209613-97-8	95 - 99			50				Vakharia and Gierthy (2000)
hER	3,4-dichloro-3'-biphenylol	14962-34-6	95 - 99			50				Vakharia and Gierthy (2000)
hER	3,4-dichloro-4'-biphenylol	53890-77-0	95 - 99	0.33				0.30	-0.519	Vakharia and Gierthy (2000)
hER	3,5-Dichloro-2'-biphenylol		≥ 99%			50				Vakharia and Gierthy (2000)
hER	3,5-Dichloro-4'-biphenylol		≥ 99%			50				Vakharia and Gierthy (2000)
RUC	3,5-Dichloro 2-hydroxy-2-methylbut-3-enalalide	16776-82-1	> 99			200				Laws et al. (1996)
RUC	3,5-Dichloro 2-hydroxy-2-methylbut-3-enalalide	16776-82-1					1000	0.0003	-3.523	Waller et al. (1996)
RUC	2,4-Dichlorophenoxyacetic acid	94-75-7	99			100				Blair et al. (2000)
RUC	2-[[[(3,5-Dichlorophenyl)amino]-carbamoyl]oxy]-2-methyl-3-butenic acid	119209-27-7					1000	0.0003	-3.523	Waller et al. (1996)
RUC	2-[[[(3,5-Dichlorophenyl)amino]-carbamoyl]oxy]-2-methyl-3-butenic acid	119209-27-7				500				Laws et al. (1996)

## Data Sorted by Substance and Assay

Assay Type*	Substance	CASRN†	Purity (%)††	IC <sub>50</sub> (µM)**	SD of IC <sub>50</sub> **	HDT (µM)	Ki (µM)**	RBA***	log RBA***	Reference
hER	Dieldrin	60-57-1	95 - 99			10				Arcaro et al. (2000)
hER -FP	Dieldrin	60-57-1	98.8	2485				0.0005	-3.301	Bolger et al. (1998)
MUC	Dieldrin	60-57-1	Technical grade			10				Ramamoorthy et al. (1997a)
RUC	Dieldrin	60-57-1	98			100				Blair et al. (2000)
RUC	Dieldrin	60-57-1	90			100				Blair et al. (2000)
hER	Dienestrol	84-17-3					0.00005	223	2.348	Kuiper et al. (1997)
rER	Dienestrol	84-17-3					0.00003	404	2.606	Kuiper et al. (1997)
RUC	Dienestrol	84-17-3	99	0.0024	0			37.46	1.570	Blair et al. (2000)
MUC	-Dienestrol	13029-44-2		0.005	0.0008			32	1.500	Korach et al. (1978)
MUC	-Dienestrol	35495-11-5		0.367	0.072			0.44	-0.357	Korach et al. (1978)
RUC	1,3-Diethyl-6,4'-dihydroxy-2-phenylindene							79	1.898	Anstead et al. (1989)
hER -FP	Di-2-ethylhexyl adipate	103-23-1	99			5000				Hashimoto et al. (2000)
hER -FP	Diethylhexyl phthalate	117-81-7	99			5000				Hashimoto et al. (2000)
RUC	Diethylhexyl phthalate	117-81-7	99			1000				Blair et al. (2000)
RUC	Diethylhexyl phthalate	117-81-7	99.9			1000				Zacharewski et al. (1998)
RUC	1,3-Diethyl-4-hydroxy-2-phenylindene							9.3	0.968	Anstead et al. (1989)
RUC	1,3-Diethyl-6-hydroxy 2-phenylindene							2.2	0.342	Anstead et al. (1989)
RUC	<i>meso-p</i> - ( , -Diethyl- <i>p</i> - methylphenethyl)phenol	267408-76-4		0.0225	0.0075			4.00	0.600	Blair et al. (2000)
RUC	Diethyl phthalate	84-66-2	99			1000				Blair et al. (2000)
GST-aERdef	Diethylstilbestrol	56-53-1		0.0029	0.0001			107	2.029	Matthews et al. (2000)
GST-cERdef	Diethylstilbestrol	56-53-1		0.0025	0.0006			130	2.114	Matthews et al. (2000)
GST-hER def	Diethylstilbestrol	56-53-1		0.0032	0.0001			91	1.959	Matthews et al. (2000)
GST-mER def	Diethylstilbestrol	56-53-1		0.0032	0.0005			84	1.924	Matthews et al. (2000)
GST-rtERdef	Diethylstilbestrol	56-53-1		0.002	0.0001			165	2.217	Matthews et al. (2000)
hER	Diethylstilbestrol	56-53-1					0.00004	468	2.670	Kuiper et al. (1997)
hER	Diethylstilbestrol	56-53-1						236	2.373	Kuiper et al. (1998) [method a]
hER	Diethylstilbestrol	56-53-1		0.0075				66.7	1.82	Morito et al. (2001)
hER -FP	Diethylstilbestrol	56-53-1	99	0.011				118	2.072	Bolger et al. (1998)
hER -FP	Diethylstilbestrol	56-53-1		0.01	0.0005			130	2.114	Nikov et al. (2001)
hER -FP	Diethylstilbestrol	56-53-1		0.0035				160	2.204	Parker et al. (2000)
hER -FP	Diethylstilbestrol	56-53-1	> 93	0.07				57	1.756	Saito et al. (2000)
hER	Diethylstilbestrol	56-53-1						221	2.344	Kuiper et al. (1998) [method a]
hER	Diethylstilbestrol	56-53-1		0.005				100	2.00	Morito et al. (2001)
MCF-7 cells	Diethylstilbestrol	56-53-1						84	1.924	Stoessel and Leclercq (1986)
MCF-7 cytosol	Diethylstilbestrol	56-53-1					0.00018	100	2.000	Rijks et al. (1996)
MCF-7 cytosol	Diethylstilbestrol	56-53-1						100	2.000	Stoessel and Leclercq (1986)
MUC	Diethylstilbestrol	56-53-1						90	1.950	Korach (1979)
MUC	Diethylstilbestrol	56-53-1		0.002	0.0003			80	1.900	Korach et al. (1978)
MUC	Diethylstilbestrol	56-53-1		0.001	0.0001			100	2.000	Korach et al. (1979)
MUC	Diethylstilbestrol	56-53-1		0.5	0.1			320	2.510	Korach et al. (1985)
MUC	Diethylstilbestrol	56-53-1		0.0004				250	2.398	Korach et al. (1988)
MUC	Diethylstilbestrol	56-53-1						286	2.460	Korach et al. (1989)
MUC	Diethylstilbestrol	56-53-1	> 99	0.0016				113	2.050	Shelby et al. (1996)
RBC	Diethylstilbestrol	56-53-1	99	7				2857	3.456	Andersen et al. (1999)
RBC	Diethylstilbestrol	56-53-1						246	2.391	Korenman (1969)
rER	Diethylstilbestrol	56-53-1					0.00004	295	2.470	Kuiper et al. (1997)
RUC	Diethylstilbestrol	56-53-1		100				0.003	-2.523	Ashby et al. (1999)
RUC	Diethylstilbestrol	56-53-1		0.000225	0.000005			399.56	2.600	Blair et al. (2000)

## Data Sorted by Substance and Assay

Assay Type*	Substance	CASRN†	Purity (%)††	IC <sub>50</sub> (μM)**	SD of IC <sub>50</sub> **	HDT (μM)	Ki (μM)**	RBA***	log RBA***	Reference
RUC	Diethylstilbestrol	56-53-1		0.0001				5000	3.699	Elsby et al. (2000)
RUC	Diethylstilbestrol	56-53-1		0.0014				214	2.330	Laws et al. (1996)
RUC	Diethylstilbestrol	56-53-1		0.0005			0.0002	200	2.300	Laws et al. (2000)
RUC	Diethylstilbestrol	56-53-1		0.00019				100	2.000	Liu et al. (1994)
RUC	Diethylstilbestrol	56-53-1		0.00031			0.00001	471	2.673	McBlain (1987)
RUC	Diethylstilbestrol	56-53-1		0.001				90	1.950	Nelson (1974)
RUC	Diethylstilbestrol	56-53-1					0.00016	100	2.000	Rijks et al. (1996)
RUC	Diethylstilbestrol	56-53-1	> 99	0.0002				100	2.000	Routledge et al. (1998)
RUC	Diethylstilbestrol	56-53-1					0.0006998	371	2.569	Waller et al. (1996)
MCF-7 cells	3,3'-Diethylstilbestrol	5959-71-7						17.5	1.243	Stoessel and Leclercq (1986)
MCF-7 cytosol	3,3'-Diethylstilbestrol	5959-71-7						3	0.477	Stoessel and Leclercq (1986)
RUC	Diethylstilbestrol dimethyl ether	130-79-0		1.6	0.3			0.056	-1.250	Blair et al. (2000)
MUC	Diethylstilbestrol epoxide	6052-82-0		0.017	0.002			9.4	0.970	Korach et al. (1978)
MUC	Diethylstilbestrol-phenanthrene			0.6	0.173			0.27	-0.569	Korach et al. (1978)
hER	( <i>rac</i> ) 5,11-Diethyl-5,6,11,12-tetrahydrochrysen-2,8-diol							14	1.146	Meyers et al. (1999)
hER	( <i>rac</i> ) 5,11-Diethyl-5,6,11,12-tetrahydrochrysen-2,8-diol							67	1.830	Meyers et al. (1999)
hER	(5 <i>R</i> , 11 <i>R</i> ) 5,11-Diethyl-5,6,11,12-tetrahydrochrysen-2,8-diol							23	1.361	Meyers et al. (1999)
hER	(5 <i>R</i> , 11 <i>R</i> ) 5,11-Diethyl-5,6,11,12-tetrahydrochrysen-2,8-diol							144	2.160	Meyers et al. (1999)
hER	(5 <i>S</i> , 11 <i>S</i> ) 5,11-Diethyl-5,6,11,12-tetrahydrochrysen-2,8-diol							14	1.150	Meyers et al. (1999)
hER	(5 <i>S</i> , 11 <i>S</i> ) 5,11-Diethyl-5,6,11,12-tetrahydrochrysen-2,8-diol							0.9	-0.046	Meyers et al. (1999)
hER	( <i>trans</i> ) 5,11-Diethyl-5,6,11,12-tetrahydrochrysen-2,8-diol							221	2.344	Meyers et al. (1999)
hER	( <i>trans</i> ) 5,11-Diethyl-5,6,11,12-tetrahydrochrysen-2,8-diol							432	2.640	Meyers et al. (1999)
RUC	Dihexyl phthalate	84-75-3	99.6			1000				Zacharewski et al. (1998)
RUC	5,6-Dihydro-8-[2-(dimethylamino)ethoxy]-12-ethyl-11-phenyl-dibenzo[a,e]-cyclooctene, hydrate (1:4)	85850-78-8						0.22	-0.658	Acton et al. (1983)
hER	Dihydrogenistein	21554-71-2		3.5				0.143	-0.84	Morito et al. (2001)
hER	Dihydrogenistein	21554-71-2		0.027				18.5	1.27	Morito et al. (2001)
hER	Dihydroglycitein	94105-88-1		22				0.023	-1.64	Morito et al. (2001)
GST-aERdef	5 -Dihydrotestosterone	521-18-6		0.82	0.12			0.38	-0.420	Matthews et al. (2000)
GST-cERdef	5 -Dihydrotestosterone	521-18-6		38	6			0.0085	-2.071	Matthews et al. (2000)
GST-hER def	5 -Dihydrotestosterone	521-18-6		5.9	0.9			0.049	-1.310	Matthews et al. (2000)
GST-mER def	5 -Dihydrotestosterone	521-18-6		6.6	1.4			0.04	-1.398	Matthews et al. (2000)
GST-rtERdef	5 -Dihydrotestosterone	521-18-6		10	3			0.034	-1.469	Matthews et al. (2000)
hER	5 -Dihydrotestosterone	521-18-6					0.22	0.05	-1.300	Kuiper et al. (1997)
hER -FP	5 -Dihydrotestosterone	521-18-6	99	136				0.0095	-2.022	Bolger et al. (1998)
rER	5 -Dihydrotestosterone	521-18-6					0.073	0.17	-0.770	Kuiper et al. (1997)
RUC	5 -Dihydrotestosterone	521-18-6					10	0.026	-1.590	Waller et al. (1996)
MUC	5 -Dihydrotestosterone	521-18-6				10				Korach (1979)
RUC	5 -Dihydrotestosterone	521-18-6	99					0.001	-3.000	Fang et al. (2001)
RUC	5 -Dihydrotestosterone	571-22-2	99			100				Blair et al. (2000)
RUC	2,2'-Dihydroxybenzophenone	835-11-0	98			100				Blair et al. (2000)
RUC	2,4-Dihydroxybenzophenone	131-56-6	99	36.5	4.5			0.002	-2.610	Blair et al. (2000)
RUC	4,4'-Dihydroxybenzophenone	611-99-4	99	26	4			0.003	-2.460	Blair et al. (2000)
RUC	4,4'-Dihydroxybenzophenone	611-99-4	97					0.013	-1.886	Perez et al. (1998)
hER	4,4'-Dihydroxybiphenyl	92-88-6				10				Kuiper et al. (1998) [method a]

## Data Sorted by Substance and Assay

Assay Type*	Substance	CASRN†	Purity (%)††	IC <sub>50</sub> (μM)**	SD of IC <sub>50</sub> **	HDT (μM)	Ki (μM)**	RBA***	log RBA***	Reference
hER	4,4'-Dihydroxybiphenyl	92-88-6						0.03	-1.523	Kuiper et al. (1998) [method a]
MUC	4,4'-Dihydroxybiphenyl	92-88-6	> 98			5				Korach et al. (1988)
MUC	Dihydroxydiethylstilbestrol	7507-01-9		0.334	0.092			0.48	-0.319	Korach et al. (1978)
RUC	6,4'-Dihydroxyflavone	63046-09-3						0.15	-0.820	Fang et al. (2001)
RUC	3,3'-Dihydroxyhexestrol	79199-51-2		0.00585	0.00165			15.37	1.190	Blair et al. (2000)
RUC	2,2'-Dihydroxy-4-methoxybenzophenone	131-53-3	98			100				Blair et al. (2000)
RUC	3-(2,3-Dihydroxypropoxy)-10-ethyl-11-phenyldibenz- <i>[b,f]</i> oxepin	85850-89-1						0.07	-1.155	Acton et al. (1983)
RUC	Diisobutyl phthalate	84-69-5	98			1000				Blair et al. (2000)
RUC	Diisodecyl phthalate	26761-40-0	99.6			1000				Zacharewski et al. (1998)
RUC	Diisooheptyl phthalate	41451-28-9	99.6			1000				Zacharewski et al. (1998)
RUC	Diisononyl phthalate	28553-12-0	Technical grade			1000				Blair et al. (2000)
RUC	Diisononyl phthalate	28553-12-0	99.8			1000				Zacharewski et al. (1998)
RUC	11-[2-( <i>N,N</i> '-Dimethylamino)ethoxy]estra-1,3,5(10)-triene-3,17b-diol							1.6	0.204	Qian and Abul-Hajj (1990)
RUC	3-[2-(Dimethylamino)ethoxy]-11-ethyl-12-phenyl-6 <i>H</i> -dibenzo[ <i>b,f</i> ]thioctin	85850-79-9						1.1	0.041	Acton et al. (1983)
RUC	3-[2-(Dimethylamino)ethoxy]-10-ethyl-11-phenyldibenz- <i>[b,f]</i> oxepin	85850-76-6						0.02	-1.699	Acton et al. (1983)
RUC	7-[2-(Dimethylamino)ethoxy]-11-ethyl-10-phenyldibenz- <i>[b,f]</i> thiepin	85850-77-7						0.12	-0.921	Acton et al. (1983)
RUC	11-[3-( <i>N,N</i> '-Dimethylamino)propoxy]estra-1,3,5(10)-triene-3,17-diol	130043-38-8						2.6	0.415	Qian and Abul-Hajj (1990)
RUC	γ-Dimethyl-γ-ethylallenic acid	15372-37-9		0.095	0.005			0.95	-0.020	Blair et al. (2000)
RUC	2,6-Dimethylhexestrol	334707-28-7		0.007	0.00173			12.84	1.110	Blair et al. (2000)
RUC	1,6-Dimethylnaphthalene	575-43-9	99			100				Blair et al. (2000)
RUC	Dimethyl phthalate	131-11-3	99			1000				Blair et al. (2000)
RBC	γ-Dimethylstilbestrol	552-80-7						129	2.111	Korenman (1970)
RUC	γ-Dimethylstilbestrol	552-80-7		0.0062	0.0013			14.50	1.160	Blair et al. (2000)
MCF-7 cells	Dimethyl sulfoxide	67-68-5				5				Arcaro et al. (1999)
hER	5,11- <i>trans</i> -Dimethyl-5,6,11,12-tetrahydrochrysene-2,8-diol							222	2.346	Meyers et al. (1999)
hER	5,11- <i>trans</i> -Dimethyl-5,6,11,12-tetrahydrochrysene-2,8-diol							254	2.400	Meyers et al. (1999)
hER	(5 <i>R</i> ,11 <i>R</i> )-5,11-Dimethyl-5,6,11,12-tetrahydrochrysene-2,8-diol							24	1.380	Meyers et al. (1999)
hER	(5 <i>R</i> ,11 <i>R</i> )-5,11-Dimethyl-5,6,11,12-tetrahydrochrysene-2,8-diol							76	1.880	Meyers et al. (1999)
hER	(5 <i>S</i> ,11 <i>S</i> )-5,11-Dimethyl-5,6,11,12-tetrahydrochrysene-2,8-diol							9.3	0.968	Meyers et al. (1999)
hER	(5 <i>S</i> ,11 <i>S</i> )-5,11-Dimethyl-5,6,11,12-tetrahydrochrysene-2,8-diol							75	1.880	Meyers et al. (1999)
RUC	Di- <i>n</i> -octyl phthalate	117-84-0	98			1000				Blair et al. (2000)
RUC	Di- <i>n</i> -octyl phthalate	117-84-0	98.7			1,000				Zacharewski et al. (1998)
RUC	Diphenolic acid	126-00-1	95	120	30			0.0007	-3.130	Blair et al. (2000)
RUC	<i>trans, trans</i> -1,4-Diphenyl-1,3-butadiene	886-65-7	98			100				Blair et al. (2000)
RUC	4-[1,2-(Diphenyl-1-butenyl)]phenol acetate	100808-55-7						21	1.322	Jordan et al. (1986)
RUC	2,3-Diphenylindene-1							0.0095	-2.022	Anstead et al. (1989)
RUC	4-[1-(Diphenylmethylene)propyl]phenol acetate	82333-68-4						2	0.301	Jordan et al. (1986)
RUC	1,3-Diphenyltetramethyldisiloxane	56-33-7						0.0007	-3.155	Fang et al. (2001)
hER	5,11- <i>trans</i> -Dipropyl-5,6,11,12-tetrahydrochrysene-2,8-diol							33.6	1.526	Meyers et al. (1999)
hER	5,11- <i>trans</i> -Dipropyl-5,6,11,12-tetrahydrochrysene-2,8-diol							92.3	1.970	Meyers et al. (1999)

## Data Sorted by Substance and Assay

Assay Type*	Substance	CASRN†	Purity (%)††	IC <sub>50</sub> (µM)**	SD of IC <sub>50</sub> **	HDT (µM)	Ki (µM)**	RBA***	log RBA***	Reference
hER	(5R,11R)-5,11-Dipropyl-5,6,11,12-tetrahydrochrysen-2,8-diol							5.2	0.716	Meyers et al. (1999)
hER	(5R,11R)-5,11-Dipropyl-5,6,11,12-tetrahydrochrysen-2,8-diol							26	1.410	Meyers et al. (1999)
hER	(5S,11S)-5,11-Dipropyl-5,6,11,12-tetrahydrochrysen-2,8-diol							1.6	0.204	Meyers et al. (1999)
hER	(5S,11S)-5,11-Dipropyl-5,6,11,12-tetrahydrochrysen-2,8-diol							5.1	0.710	Meyers et al. (1999)
RUC	4-Dodecylphenol	104-43-8	99.7	4.85	1.95			0.019	-1.730	Blair et al. (2000)
RUC	Doisynoestrol	15372-34-6		49	14			0.002	-2.740	Blair et al. (2000)
RUC	Dopamine	51-61-6	99			100				Blair et al. (2000)
RUC	Droloxifene	82413-20-5		0.0059	0.0031			15.24	1.180	Blair et al. (2000)
MCF-7 cells	Droloxifene	82413-20-5						0.2	-0.699	Stoessel and Leclercq (1986)
MCF-7 cytosol	Droloxifene	82413-20-5						2.5	0.398	Stoessel and Leclercq (1986)
hER -FP	Empenthrin	54406-48-3	> 93			10				Saito et al. (2000)
hER	-Endosulfan	959-98-8	95 - 99			10				Arcaro et al. (2000)
GST-aERdef	-Endosulfan	959-98-8				100				Matthews et al. (2000)
GST-cERdef	-Endosulfan	959-98-8				100				Matthews et al. (2000)
GST-hER def	-Endosulfan	959-98-8				100				Matthews et al. (2000)
GST-mER def	-Endosulfan	959-98-8				100				Matthews et al. (2000)
GST-rtERdef	-Endosulfan	959-98-8		28	14			0.012	-1.921	Matthews et al. (2000)
hER	, -Endosulfan	115-29-7				10				Kuiper et al. (1998) [method a]
hER	, -Endosulfan	115-29-7				10				Kuiper et al. (1998) [method a]
MUC	, -Endosulfan	115-29-7	98 (a=78%, b=20%)			5				Shelby et al. (1996)
RBC	, -Endosulfan	115-29-7	99			100				Andersen et al. (1999)
RUC	, -Endosulfan	115-29-7	99			1000				Blair et al. (2000)
RUC	, -Endosulfan	115-29-7					599.79	0.00044	-3.360	Waller et al. (1996)
GST-mER def	-Endosulfan	33213-65-9				100				Matthews et al. (2000)
hER	-Endosulfan	33213-65-9	95 - 99			10				Arcaro et al. (2000)
GST-aERdef	-Endosulfan	33213-65-9				100				Matthews et al. (2000)
GST-cERdef	-Endosulfan	33213-65-9				100				Matthews et al. (2000)
GST-hER def	-Endosulfan	33213-65-9				100				Matthews et al. (2000)
GST-rtERdef	-Endosulfan	33213-65-9				100				Matthews et al. (2000)
MCF-7 cytosol	-Endosulfan	33213-65-9	Technical grade	631	88			0.00024	-3.620	Soto et al. (1995)
RBC	16-Epiestriol	547-81-9						44	1.643	Korenman (1969)
hER	17-Epiestriol	1228-72-4						29	1.462	Kuiper et al. (1998) [method a]
hER	17-Epiestriol	1228-72-4						80	1.903	Kuiper et al. (1998) [method a]
RUC	Epitestosterone	481-30-1	99.9			600				Blair et al. (2000)
RBC	Equilenin	517-09-9						8	0.903	Korenman (1969)
RBC	Equilin	474-86-2						24	1.380	Korenman (1969)
hER	Equol	531-95-3		1.5				0.33	-0.48	Morito et al. (2001)
hER	Equol	531-95-3		0.0085				58.8	1.77	Morito et al. (2001)
RUC	Equol	531-95-3						0.15	-0.820	Fang et al. (2001)
RBC	erythro -MEA	20576-52-7						135	2.130	Korenman (1970)
RBC	16 -Estradiol	1090-04-6						66	1.820	Korenman (1969)
MCF-7 cytosol	16 -Estradiol	1090-04-6						35	1.544	Brooks et al. (1987)
MCF-7 cytosol	16 -Estradiol	1090-04-6						0.8	-0.097	VanderKuur et al. (1993)
hER	17 -Estradiol	57-91-0					0.0002	58	1.760	Kuiper et al. (1997)
hER	17 -Estradiol	57-91-0						7	0.845	Kuiper et al. (1998) [method a]
hER	17 -Estradiol	57-91-0						2	0.301	Kuiper et al. (1998) [method a]

## Data Sorted by Substance and Assay

Assay Type*	Substance	CASRN†	Purity (%)††	IC <sub>50</sub> (μM)**	SD of IC <sub>50</sub> **	HDT (μM)	Ki (μM)**	RBA***	log RBA***	Reference
MCF-7 cytosol	17 -Estradiol	57-91-0						0.22	-0.658	VanderKuur et al. (1993)
MUC	17 -Estradiol	57-91-0						1000	3.000	Korach (1979)
RBC	17 -Estradiol	57-91-0						49	1.690	Korenman (1969)
rER	17 -Estradiol	57-91-0					0.0012	11	1.041	Kuiper et al. (1997)
RUC	17 -Estradiol	57-91-0	99	0.0293	0.008			3.07	0.490	Blair et al. (2000)
RUC	17 -Estradiol	57-91-0		0.01				50	1.699	Elsby et al. (2000)
GST-hER def	17 -Estradiol	50-28-2		0.0055	0.0012			100	2.00	Fertuck et al. (2001)
hER	17 -Estradiol	50-28-2		0.0006				100	2.000	Arcaro et al. (1999)
hER	17 -Estradiol	50-28-2		0.0005				100	2.000	Arcaro et al. (2000)
hER	17 -Estradiol	50-28-2	> 97	0.004				100	2.000	Gaido et al. (1999)
hER	17 -Estradiol	50-28-2		0.001				100.0	2.000	Klotz et al. (1996)
hER	17 -Estradiol	50-28-2						100	2.000	Kraichely et al. (2000)
hER	17 -Estradiol	50-28-2		0.00021			0.00013	100	2.000	Kuiper et al. (1997)
hER	17 -Estradiol	50-28-2						100	2.000	Kuiper et al. (1998) [method a]
hER	17 -Estradiol	50-28-2		0.00093				100	2.000	Kuiper et al. (1998) [method b]
hER	17 -Estradiol	50-28-2						100	2.000	Meyers et al. (1999)
hER	17 -Estradiol	50-28-2		0.005				100	2.00	Morito et al. (2001)
hER	17 -Estradiol	50-28-2					0.0003	100	2.000	Sun et al. (1999)
hER	17 -Estradiol	50-28-2		0.00059				100	2.000	Vakharia and Gierthy (1999)
hER	17 -Estradiol	50-28-2		0.001				100	2.000	Vakharia and Gierthy (2000)
hER -FP	17 -Estradiol	50-28-2	98	0.013				100	2.000	Bolger et al. (1998)
hER -FP	17 -Estradiol	50-28-2		0.0195	0.0018			100	2.000	Hanioka et al. (1999)
hER -FP	17 -Estradiol	50-28-2		0.01				100	2.000	Hashimoto et al. (2000)
hER -FP	17 -Estradiol	50-28-2		0.013	0.0007			100	2.000	Nikov et al. (2000)
hER -FP	17 -Estradiol	50-28-2		0.013	0.0007			100	2.000	Nikov et al. (2001)
hER -FP	17 -Estradiol	50-28-2		0.0056				100	2.000	Parker et al. (2000)
hER -FP	17 -Estradiol	50-28-2		0.04				100	2.000	Saito et al. (2000)
hER	17 -Estradiol	50-28-2		0.005				100	2.000	Arcaro et al. (1999)
hER	17 -Estradiol	50-28-2		0.0056	0.0011			100	2.00	Fertuck et al. (2001)
hER	17 -Estradiol	50-28-2	> 97					100	2.000	Gaido et al. (1999)
hER	17 -Estradiol	50-28-2						100	2.000	Kraichely et al. (2000)
hER	17 -Estradiol	50-28-2						100	2.000	Kuiper et al. (1998) [method a]
hER	17 -Estradiol	50-28-2						100	2.000	Kuiper et al. (1998) [method a]
hER	17 -Estradiol	50-28-2		0.00106				100	2.000	Kuiper et al. (1998) [method b]
hER	17 -Estradiol	50-28-2						100	2.000	Meyers et al. (1999)
hER	17 -Estradiol	50-28-2		0.005				100	2.00	Morito et al. (2001)
hER	17 -Estradiol	50-28-2					0.0009	100	2.000	Sun et al. (1999)
MCF-7 cells	17 -Estradiol	50-28-2						100	2.000	Arcaro et al. (1999)
MCF-7 cells	17 -Estradiol	50-28-2						100	2.000	Brooks et al. (1987)
MCF-7 cells	17 -Estradiol	50-28-2		0.0004				100	2.000	Lascombe et al. (2000)
MCF-7 cells	17 -Estradiol	50-28-2						100	2.000	Nagel et al. (1997)
MCF-7 cytosol	17 -Estradiol	50-28-2						100	2.000	Brooks et al. (1987)
MCF-7 cytosol	17 -Estradiol	50-28-2		0.0009				100	2.000	Dodge et al. (1996)
MCF-7 cytosol	17 -Estradiol	50-28-2		1.3	0.8			100	2.000	Kramer et al. (1997)
MCF-7 cytosol	17 -Estradiol	50-28-2						100	2.000	Palomino et al. (1994)
MCF-7 cytosol	17 -Estradiol	50-28-2		0.0015	0.0004			100	2.000	Soto et al. (1995)
MCF-7 cytosol	17 -Estradiol	50-28-2						100	2.000	VanderKuur et al. (1993)
MUC	17 -Estradiol	50-28-2		0.0021				100	2.000	Connor et al. (1997)
MUC	17 -Estradiol	50-28-2		0.015				100	2.000	Fielden et al. (1997)

## Data Sorted by Substance and Assay

Assay Type*	Substance	CASRN†	Purity (%)††	IC <sub>50</sub> (μM)**	SD of IC <sub>50</sub> **	HDT (μM)	Ki (μM)**	RBA***	log RBA***	Reference
MUC	17 -Estradiol	50-28-2		0.001				100	2.000	Korach (1979)
MUC	17 -Estradiol	50-28-2		0.0016	0.0005			100	2.000	Korach et al. (1978)
MUC	17 -Estradiol	50-28-2		1.6	0.5			100	2.000	Korach et al. (1985)
MUC	17 -Estradiol	50-28-2		0.0010				100	2.000	Korach et al. (1988)
MUC	17 -Estradiol	50-28-2						100	2.000	Korach et al. (1989)
MUC	17 -Estradiol	50-28-2		0.003	0.0002			100	2.000	Mathews et al. (2001)
MUC	17 -Estradiol	50-28-2		0.0032				100	2.000	Ramamoorthy et al. (1997a)
MUC	17 -Estradiol	50-28-2		0.011				100	2.000	Ramamoorthy et al. (1997b)
MUC	17 -Estradiol	50-28-2	> 99	0.0018				100	2.000	Shelby et al. (1996)
RBC	17 -Estradiol	50-28-2						100	2.000	Korenman (1969)
rER	17 -Estradiol	50-28-2		0.00013			0.00012	100	2.000	Kuiper et al. (1997)
RUC	17 -Estradiol	50-28-2						100	2.000	Acton et al. (1983)
RUC	17 -Estradiol	50-28-2		0.003				100	2.000	Ashby et al. (1999)
RUC	17 -Estradiol	50-28-2						100	2.000	Gabbard and Segaloff (1983)
RUC	17 -Estradiol	50-28-2		0.008				100	2.000	Jaimoz et al. (2000)
RUC	17 -Estradiol	50-28-2						100	2.000	Jordan et al. (1986)
RUC	17 -Estradiol	50-28-2		0.0011			0.0004	100	2.000	Laws et al. (2000)
RUC	17 -Estradiol	50-28-2		0.001				100	2.000	Olea et al. (1996)
RUC	17 -Estradiol	50-28-2						100	2.000	Qian and Abul-Hajj (1990)
RUC	17 -Estradiol	50-28-2					0.0026	100	2.000	Waller et al. (1996)
GST-aERdef	17 -Estradiol	50-28-2		0.0025	0.0013			100	2.000	Mathews and Zacharewski (2000)
GST-aERdef	17 -Estradiol	50-28-2		0.0031	0.0005			100	2.000	Mathews et al. (2000)
GST-cERdef	17 -Estradiol	50-28-2		0.0032	0.0005			100	2.000	Mathews et al. (2000)
GST-hER def	17 -Estradiol	50-28-2		0.0024	0.001			100	2.000	Mathews and Zacharewski (2000)
GST-hER def	17 -Estradiol	50-28-2		0.0029	0.0005			100	2.000	Mathews et al. (2000)
GST-mER def	17 -Estradiol	50-28-2		0.0027	0.0004			100	2.000	Mathews et al. (2000)
GST-rtERdef	17 -Estradiol	50-28-2		0.0031	0.0006			100	2.000	Mathews and Zacharewski (2000)
GST-rtERdef	17 -Estradiol	50-28-2		0.0033	0.0005			100	2.000	Mathews et al. (2000)
RBC	17 -Estradiol	50-28-2	99.4	0.00002				100	2.000	Andersen et al. (1999)
RUC	17 -Estradiol	50-28-2		0.00625				100	2.000	Allen et al. (1980)
RUC	17 -Estradiol	50-28-2		0.000899	0.000027			100	2.000	Blair et al. (2000)
RUC	17 -Estradiol	50-28-2		0.014				100	2.000	Connor et al. (1997)
RUC	17 -Estradiol	50-28-2		0.005				100	2.000	Elsby et al. (2000)
RUC	17 -Estradiol	50-28-2	98	0.003				100	2.000	Laws et al. (1996)
RUC	17 -Estradiol	50-28-2		0.0016				100	2.000	Leibl and Spona (1982)
RUC	17 -Estradiol	50-28-2		0.00146			0.00005	100	2.000	McBlain (1987)
RUC	17 -Estradiol	50-28-2		0.0009				100	2.000	Nelson (1974)
RUC	17 -Estradiol	50-28-2						100	2.000	Perez et al. (1998)
RUC	17 -Estradiol	50-28-2		0.0013				100	2.000	Zacharewski et al. (1998)
MCF-7 cytosol	9 -Estradiol							0.7	-0.155	Palomino et al. (1994)
RBC	Estradiol 17-acetate							29	1.462	Korenman (1969)
RBC	17 -Estradiol 3-acetate	4245-41-4						97	1.987	Korenman (1969)
GST-aERdef	Estradiol 3-benzoate	50-50-0		0.024	0.003			13	1.114	Mathews et al. (2000)
GST-cERdef	Estradiol 3-benzoate	50-50-0		0.022	0.001			15	1.176	Mathews et al. (2000)
GST-hER def	Estradiol 3-benzoate	50-50-0		0.028	0.005			10	1.000	Mathews et al. (2000)
GST-mER def	Estradiol 3-benzoate	50-50-0		0.023	0.002			12	1.079	Mathews et al. (2000)
GST-rtERdef	Estradiol 3-benzoate	50-50-0		0.0037	0.0005			9	0.954	Mathews et al. (2000)
RBC	Estradiol diacetate	3434-88-6						11	1.041	Korenman (1969)
RBC	17 -Estradiol 3-methyl ether	1035-77-4						3	0.477	Korenman (1969)

## Data Sorted by Substance and Assay

Assay Type*	Substance	CASRN†	Purity (%)††	IC <sub>50</sub> (μM)**	SD of IC <sub>50</sub> **	HDT (μM)	Ki (μM)**	RBA***	log RBA***	Reference
RUC	17 -Estradiol 3-methyl ether	1035-77-4						0.7	-0.155	Gabbard and Segaloff (1983)
MCF-7 cells	9-Estratetraene-3,17 -diol	791-69-5						37	1.568	Stoessel and Leclerq (1986)
MCF-7 cytosol	9-Estratetraene-3,17 -diol	791-69-5						80	1.903	Stoessel and Leclerq (1986)
RBC	Estra-1,3,5(10),6-tetraen-17-one, 3-hydroxy-							10	1.000	Korenman (1969)
MCF-7 cells	Estra-1,3,5(10)-triene-3,17 -diol, 14,15 -epoxy-	79581-12-7						10	1.000	Stoessel and Leclerq (1986)
MCF-7 cytosol	Estra-1,3,5(10)-triene-3,17 -diol, 14,15 -epoxy-	79581-12-7						5	0.699	Stoessel and Leclerq (1986)
MCF-7 cytosol	Estra-1,3,5(10)-triene-3,17 -diol, 14,15 -epoxy-	79645-49-1				0.1				Stoessel and Leclerq (1986)
MCF-7 cells	Estra-1,3,5(10)-triene-3,17 -diol, 14,15 -epoxy-	79645-49-1						0.08	-1.097	Stoessel and Leclerq (1986)
MCF-7 cells	Estra-1,3,5(10),trien-3,14,17 -triol	16288-09-8						1.5	0.176	Stoessel and Leclerq (1986)
MCF-7 cytosol	Estra-1,3,5(10),trien-3,14,17 -triol	16288-09-8						2	0.301	Stoessel and Leclerq (1986)
RUC	Estratriene-3,6,17 -triol	1229-24-9		0.127	0.043			0.71	-0.150	Blair et al. (2000)
GST-aERdef	Estrilol	50-27-1		0.01	0.001			30	1.477	Matthews et al. (2000)
GST-cERdef	Estrilol	50-27-1		0.029	0.001			11	1.041	Matthews et al. (2000)
GST-hER def	Estrilol	50-27-1		0.01	0.003			28	1.447	Matthews et al. (2000)
GST-mER def	Estrilol	50-27-1		0.021	0.005			13	1.114	Matthews et al. (2000)
GST-rtERdef	Estrilol	50-27-1		0.09	0.006			3.7	0.568	Matthews et al. (2000)
hER	Estrilol	50-27-1					0.0014	14	1.146	Kuiper et al. (1997)
MCF-7 cells	Estrilol	50-27-1						20	1.301	Stoessel and Leclerq (1986)
MCF-7 cytosol	Estrilol	50-27-1						13	1.114	Brooks et al. (1987)
MCF-7 cytosol	Estrilol	50-27-1						18	1.255	Stoessel and Leclerq (1986)
MCF-7 cytosol	Estrilol	50-27-1						0.17	-0.770	VanderKuur et al. (1993)
MUC	Estrilol	50-27-1						100	2.000	Korach (1979)
RBC	Estrilol	50-27-1						16	1.204	Korenman (1969)
rER	Estrilol	50-27-1					0.0007	21	1.320	Kuiper et al. (1997)
RUC	Estrilol	50-27-1					0.014	19	1.279	Waller et al. (1996)
RUC	Estrilol	50-27-1	99	0.00925	0.00175			9.719	0.990	Blair et al. (2000)
GST-aERdef	Estrone	53-16-7		0.0051	0.0001			60	1.778	Matthews et al. (2000)
GST-cERdef	Estrone	53-16-7		0.0064	0.0001			50	1.699	Matthews et al. (2000)
GST-hER def	Estrone	53-16-7		0.0065	0.0003			45	1.653	Matthews et al. (2000)
GST-mER def	Estrone	53-16-7		0.0095	0.0008			28	1.447	Matthews et al. (2000)
GST-rtERdef	Estrone	53-16-7		0.024	0.002			14	1.146	Matthews et al. (2000)
hER	Estrone	53-16-7					0.0003	60	1.778	Kuiper et al. (1997)
hER -FP	Estrone	53-16-7	98	0.626				2.1	0.322	Bolger et al. (1998)
MCF-7 cytosol	Estrone	53-16-7						0.22	-0.658	VanderKuur et al. (1993)
MUC	Estrone	53-16-7						100	2.000	Korach (1979)
rER	Estrone	53-16-7					0.0004	37	1.568	Kuiper et al. (1997)
RUC	Estrone	53-16-7	99	0.0123	0.0032			7.31	0.860	Blair et al. (2000)
RUC	Estrone	53-16-7		0.01				50	1.699	Elsby et al. (2000)
RUC	Estrone	53-16-7						46	1.663	Gabbard and Segaloff (1983)
RUC	Estrone	53-16-7					0.0044	59	1.771	Waller et al. (1996)
RBC	Estrone	53-16-7						66	1.820	Korenman (1969)
MCF-7 cells	Estrone	53-16-7						19	1.279	Stoessel and Leclerq (1986)
MCF-7 cytosol	Estrone	53-16-7						13	1.114	Brooks et al. (1987)
MCF-7 cytosol	Estrone	53-16-7						15	1.176	Stoessel and Leclerq (1986)
RBC	Estrone 3-acetate	901-93-9						191	2.281	Korenman (1969)
RUC	Estrone 3-methyl ether	1624-62-0				1				Gabbard and Segaloff (1983)
hERa	Estrone 3-sulfate	481-97-0				100				Kuiper et al. (1997)



## Data Sorted by Substance and Assay

Assay Type*	Substance	CASRN†	Purity (%)††	IC <sub>50</sub> (μM)**	SD of IC <sub>50</sub> **	HDT (μM)	Ki (μM)**	RBA***	log RBA***	Reference
rER	Estrone 3-sulfate	481-97-0				100				Kuiper et al. (1997)
GST-aERdef	17 -Ethinyl estradiol	57-63-6		0.0022	0.0001			139	2.143	Mathews et al. (2000)
GST-cERdef	17 -Ethinyl estradiol	57-63-6		0.0019	0.0001			171	2.233	Mathews et al. (2000)
GST-hER def	17 -Ethinyl estradiol	57-63-6		0.0023	0.0001			127	2.104	Mathews et al. (2000)
GST-mER def	17 -Ethinyl estradiol	57-63-6		0.0022	0.0007			118	2.072	Mathews et al. (2000)
GST-rtERdef	17 -Ethinyl estradiol	57-63-6		0.0031	0.0009			108	2.033	Mathews et al. (2000)
RBC	17 -Ethinyl estradiol	57-63-6						191	2.281	Korenman (1969)
RUC	17 -Ethinyl estradiol	57-63-6	98	0.004				156	2.180	Allen et al. (1980)
RUC	17 -Ethinyl estradiol	57-63-6						190	2.279	Fang et al. (2001)
RUC	17 -Ethinyl estradiol	57-63-6		0.0011			0.0004	100	2.000	Laws et al. (2000)
RUC	17 -Ethinyl estradiol	57-63-6					0.0002999	867	2.938	Waller et al. (1996)
RUC	17 -Ethinyl estradiol	4717-38-8		0.000473	0.00006			190.063	2.280	Blair et al. (2000)
RUC	Ethyl cinnamate	103-36-6	99.1			1000				Blair et al. (2000)
RUC	3-Ethyl-6,4'-dihydroxy-2-phenylindene							16	1.204	Anstead et al. (1989)
RUC	2-Ethylhexyl paraben	5153-25-3	99	4.95	0.05			0.018	-1.740	Blair et al. (2000)
RUC	4-Ethyl-7-hydroxy-3-(4-methoxyphenyl)-2H-1-benzopyran-2-one	5219-17-0						0.9	-0.460	Fang et al. (2001)
RUC	3-[(10-Ethyl-11- <i>p</i> -hydroxyphenyl)dibenzo- <i>[b,f]</i> ]oxepin-3-yl]oxy]-1,2-propanediol, hydrate (4:1)	85850-93-7						0.92	-0.036	Acton et al. (1983)
RUC	3-[(10-Ethyl-11- <i>p</i> -hydroxyphenyl)dibenzo- <i>[b,f]</i> ]thiepin-3-yl]oxy]-1,2-propanediol	85850-94-8						11.0	1.041	Acton et al. (1983)
RUC	3-[(11-Ethyl-12- <i>p</i> -hydroxyphenyl)-6- <i>H</i> -dibenzo- <i>[b,f]</i> ]thioicin-3-yl]oxy]-1,2-propanediol	85864-54-6						5.0	0.699	Acton et al. (1983)
RUC	3-[(6-Ethyl-5- <i>p</i> -hydroxyphenyl)-11,12-dihydrodibenzo- <i>[a,e]</i> ]cycloocten-2-yl]oxy]-1,2-propanediol	85850-95-9						9.1	0.959	Acton et al. (1983)
RUC	3-Ethyl-4'-hydroxy-2-phenylindene							2.3	0.362	Anstead et al. (1989)
RUC	3-Ethyl-6-hydroxy-2-phenylindene							0.58	-0.237	Anstead et al. (1989)
RUC	3-Ethyl-4'-hydroxy-2-phenylindene-1							4.6	0.663	Anstead et al. (1989)
RUC	3-Ethyl-6-hydroxy-2-phenylindene-1							1.2	0.079	Anstead et al. (1989)
RBC	3-Ethyl-4- <i>p</i> -methoxyphenyl)-2-methyl-3-cyclohexene-1-carboxylic acid	1755-52-8						0.75	-0.125	Korenman (1969)
RUC	Ethyl paraben	120-47-8	99	150	10			0.0006	-3.220	Blair et al. (2000)
RUC	2-Ethylphenol	90-00-6	99			1000				Blair et al. (2000)
RUC	3-Ethylphenol	620-17-7	80	660	76			0.00014	-3.87	Blair et al. (2000)
RUC	4-Ethylphenol	123-07-9	99	1340	40			0.00007	-4.170	Blair et al. (2000)
RUC	3-[(10-Ethyl-11-phenyl)dibenzo- <i>[b,f]</i> ]thiepin-3-yl]oxy]-1,2-propanediol, complexed with isopropyl alcohol 2:1	85850-90-4						0.65	-0.187	Acton et al. (1983)
RUC	3-[(11-Ethyl-12-phenyl-6- <i>H</i> -dibenzo- <i>[b,f]</i> ]thioicin-3-yl]oxy]-1,2-propanediol, hydrate (4:1)	85850-92-6						0.02	-1.699	Acton et al. (1983)
RUC	3-[(6-Ethyl-5-phenyl-11,12-dihydrodibenzo- <i>[a,e]</i> ]cycloocten-2-yl]oxy]-1,2-propanediol	85850-91-5						0.12	-0.921	Acton et al. (1983)
RUC	Eugenol	97-53-0	99.2			1000				Blair et al. (2000)
hER -FP	Fenvalerate	51630-58-1	> 93			10				Saito et al. (2000)
RUC	Fisetin	528-48-3						0.0045	2.350	Fang et al. (2001)
RUC	Flavanone	17002-31-2				100				Fang et al. (2001)
hER	Flavone	525-82-6				10				Kuiper et al. (1998) [method a]
hER	Flavone	525-82-6				10				Kuiper et al. (1998) [method a]
RUC	Flavone	525-82-6				100				Fang et al. (2001)

## Data Sorted by Substance and Assay

Assay Type*	Substance	CASRN†	Purity (%) <sup>††</sup>	IC <sub>50</sub> (μM)**	SD of IC <sub>50</sub> **	HDT (μM)	Ki (μM)**	RBA***	log RBA***	Reference
MCF-7 cells	Fluoranthene	206-44-0				5				Arcaro et al. (1999)
MCF-7 cells	Fluorene	86-73-7				5				Arcaro et al. (1999)
MCF-7 cytosol	2-Fluoroestratrien-17 -ol	101772-22-9						2	0.301	Brooks et al. (1987)
MCF-7 cytosol	4-Fluoroestratrien-17 -ol	96607-54-4						8	0.903	Brooks et al. (1987)
RUC	2-(2-Fluorophenyl)-3-phenyl-6-hydroxyindene							49	1.690	Anstead et al. (1990)
RUC	Fluorotamoxifen	73617-96-6				10				Allen et al. (1980)
RUC	Folic acid	59-30-3				100				Blair et al. (2000)
hER	Formononetin	485-72-3				10				Kuiper et al. (1998) [method a]
hER	Formononetin	485-72-3				10				Kuiper et al. (1998) [method a]
RUC	Formononetin	485-72-3						0.0013	-2.890	Fang et al. (2001)
RUC	Furfural	98-01-1	99.4			1000				Blair et al. (2000)
GST-aERdef	Genistein	446-72-0		0.24	0.01			1.3	0.114	Matthews et al. (2000)
GST-cERdef	Genistein	446-72-0		0.41	0.05			0.78	-0.108	Matthews et al. (2000)
GST-hER def	Genistein	446-72-0		0.063	0.07			0.46	-0.337	Matthews et al. (2000)
GST-mER def	Genistein	446-72-0		0.81	0.04			0.33	-0.481	Matthews et al. (2000)
GST-rtERdef	Genistein	446-72-0		0.75	0.08			0.44	-0.357	Matthews et al. (2000)
hER	Genistein	446-72-0					0.0026	5	0.699	Kuiper et al. (1997)
hER	Genistein	446-72-0						4	0.602	Kuiper et al. (1998) [method a]
hER	Genistein	446-72-0		0.145				0.7	-0.155	Kuiper et al. (1998) [method b]
hER	Genistein	446-72-0		0.7				0.71	-0.15	Morito et al. (2001)
hER -FP	Genistein	446-72-0		0.825	0.002			1.6	0.204	Nikov et al. (2000)
hER	Genistein	446-72-0						87	1.940	Kuiper et al. (1998) [method a]
hER	Genistein	446-72-0		0.0084				13	1.114	Kuiper et al. (1998) [method b]
hER	Genistein	446-72-0		0.011				45.5	1.66	Morito et al. (2001)
MCF-7 cytosol	Genistein	446-72-0		0.045				2	0.301	Dodge et al. (1996)
MCF-7 cytosol	Genistein	446-72-0		0.23				2.61	0.417	Miodini et al. (1999)
rER	Genistein	446-72-0					0.0003	36	1.556	Kuiper et al. (1997)
RUC	Genistein	446-72-0						0.45	-0.350	Fang et al. (2001)
RUC	Genistein	446-72-0					0.39	0.67	-0.180	Waller et al. (1996)
hER	Genistin	529-59-9		37				0.014	-1.87	Morito et al. (2001)
RUC	Genistin	529-59-9				100				Fang et al. (2001)
hER -FP	Glyceollin	66241-09-6		6	0.6			0.22	-0.658	Nikov et al. (2000)
hER	Glycitein	40957-83-3		32				0.016	-1.81	Morito et al. (2001)
hER	Glycitein	40957-83-3		0.55				0.91	-0.04	Morito et al. (2001)
hER	Glycitin			650				0.0008	-3.10	Morito et al. (2001)
RUC	Heptachlor	76-44-8	99.5			100				Blair et al. (2000)
GST-aERdef	2,2',3,3',4',5',6'-Heptachlorobiphenyl	52663-70-4				10				Matthews and Zacharewski (2000)
GST-hER def	2,2',3,3',4',5',6'-Heptachlorobiphenyl	52663-70-4				10				Matthews and Zacharewski (2000)
GST-rtERdef	2,2',3,3',4',5',6'-Heptachlorobiphenyl	52663-70-4		10				0.031	-1.509	Matthews and Zacharewski (2000)
GST-aERdef	2,2',3,3',4,5,6,-Heptachlorobiphenyl	68194-16-1				10				Matthews and Zacharewski (2000)
GST-hER def	2,2',3,3',4,5,6,-Heptachlorobiphenyl	68194-16-1				10				Matthews and Zacharewski (2000)
GST-rtERdef	2,2',3,3',4,5,6,-Heptachlorobiphenyl	68194-16-1		10				0.031	-1.509	Matthews and Zacharewski (2000)
GST-aERdef	2,2',3,3',5',6'-Heptachlorobiphenyl	52663-64-6				10				Matthews and Zacharewski (2000)
GST-hERdef	2,2',3,3',5',6'-Heptachlorobiphenyl	52663-64-6				10				Matthews and Zacharewski (2000)
GST-rtERdef	2,2',3,3',5',6'-Heptachlorobiphenyl	52663-64-6				10				Matthews and Zacharewski (2000)
GST-aERdef	2,2',3,4,4',5',6'-Heptachlorobiphenyl	52663-69-1				10				Matthews and Zacharewski (2000)
GST-hER def	2,2',3,4,4',5',6'-Heptachlorobiphenyl	52663-69-1				10				Matthews and Zacharewski (2000)
GST-rtERdef	2,2',3,4,4',5',6'-Heptachlorobiphenyl	52663-69-1				10				Matthews and Zacharewski (2000)
GST-aERdef	2,2',3,4,4',6,6'-Heptachlorobiphenyl	74472-48-3		10				0.025	-1.602	Matthews and Zacharewski (2000)

## Data Sorted by Substance and Assay

Assay Type*	Substance	CASRN†	Purity (%)††	IC <sub>50</sub> (μM)**	SD of IC <sub>50</sub> **	HDT (μM)	Ki (μM)**	RBA***	log RBA***	Reference
GST-hER def	2,2',3,4,4',6,6'-Heptachlorobiphenyl	74472-48-3		10				0.024	-1.620	Mathews and Zacharewski (2000)
GST-rtERdef	2,2',3,4,4',6,6'-Heptachlorobiphenyl	74472-48-3		0.4	0.1			0.78	-0.111	Mathews and Zacharewski (2000)
GST-aERdef	2,2',3,4',5,5',6'-Heptachlorobiphenyl	52663-68-0				10				Mathews and Zacharewski (2000)
GST-hER def	2,2',3,4',5,5',6'-Heptachlorobiphenyl	52663-68-0				10				Mathews and Zacharewski (2000)
GST-rtERdef	2,2',3,4',5,5',6'-Heptachlorobiphenyl	52663-68-0				10				Mathews and Zacharewski (2000)
GST-aERdef	2,2',3,4',5,6,6'-Heptachlorobiphenyl	74487-85-7		10				0.025	-1.602	Mathews and Zacharewski (2000)
GST-hER def	2,2',3,4',5,6,6'-Heptachlorobiphenyl	74487-85-7		10				0.024	-1.620	Mathews and Zacharewski (2000)
GST-rtERdef	2,2',3,4',5,6,6'-Heptachlorobiphenyl	74487-85-7		1.3	1.2			0.24	-0.623	Mathews and Zacharewski (2000)
GST-aERdef	2,3,3',4,4',5,6'-Heptachlorobiphenyl	41411-64-7				10				Mathews and Zacharewski (2000)
GST-hER def	2,3,3',4,4',5,6'-Heptachlorobiphenyl	41411-64-7				10				Mathews and Zacharewski (2000)
GST-rtERdef	2,3,3',4,4',5,6'-Heptachlorobiphenyl	41411-64-7				10				Mathews and Zacharewski (2000)
GST-aERdef	2,3,3',4',5,5',6'-Heptachlorobiphenyl	69782-91-8				10				Mathews and Zacharewski (2000)
GST-hER def	2,3,3',4',5,5',6'-Heptachlorobiphenyl	69782-91-8				10				Mathews and Zacharewski (2000)
GST-rtERdef	2,3,3',4',5,5',6'-Heptachlorobiphenyl	69782-91-8				10				Mathews and Zacharewski (2000)
hER	2,2',3,3',4',5,5'-Heptachloro-4-biphenylol	158076-64-3	> 98					0.1	-1.000	Kuiper et al. (1998) [method a]
hER	2,2',3,3',4',5,5'-Heptachloro-4-biphenylol	158076-64-3	> 98					0.1	-1.000	Kuiper et al. (1998) [method a]
GST-aERdef	2,2',3,3',4',5,5'-Heptachloro-4-biphenylol	158076-64-3				10				Mathews and Zacharewski (2000)
GST-hER def	2,2',3,3',4',5,5'-Heptachloro-4-biphenylol	158076-64-3				10				Mathews and Zacharewski (2000)
GST-rtERdef	2,2',3,3',4',5,5'-Heptachloro-4-biphenylol	158076-64-3				10				Mathews and Zacharewski (2000)
hER	2,2',3',4,4',5,5'-Heptachloro-3-biphenylol	158076-69-8	> 98					0.09	-1.046	Kuiper et al. (1998) [method a]
hER	2,2',3',4,4',5,5'-Heptachloro-3-biphenylol	158076-69-8	> 98					0.09	-1.046	Kuiper et al. (1998) [method a]
hER	2,2',3',4,4',5,5'-Heptachloro-3-biphenylol	158076-69-8	> 98					0.1	-1.000	Kuiper et al. (1998) [method a]
hER	2,2',3',4,4',5,5'-Heptachloro-3-biphenylol	158076-69-8	> 98					0.1	-1.000	Kuiper et al. (1998) [method a]
GST-aERdef	2,2',3',4,4',5,5'-Heptachloro-3-biphenylol	158076-69-8				10				Mathews and Zacharewski (2000)
GST-hER def	2,2',3',4,4',5,5'-Heptachloro-3-biphenylol	158076-69-8				10				Mathews and Zacharewski (2000)
GST-rtERdef	2,2',3',4,4',5,5'-Heptachloro-3-biphenylol	158076-69-8				10				Mathews and Zacharewski (2000)
hER	2,2',3,4',5,5',6'-Heptachloro-4-biphenylol	158076-68-7	> 98					0.1	-1.000	Kuiper et al. (1998) [method a]
hER	2,2',3,4',5,5',6'-Heptachloro-4-biphenylol	158076-68-7	> 98					0.1	-1.000	Kuiper et al. (1998) [method a]
RUC	Heptanal	111-71-7	92.9			10000				Blair et al. (2000)
RUC	4-(Heptyloxy)phenol	13037-86-0	97	67.5	7.5			0.0013	-2.880	Blair et al. (2000)
RUC	Heptyl 4-paraben	1085-12-7	97	11	1			0.008	-2.090	Blair et al. (2000)
RUC	Hesperetin	520-33-2				100				Fang et al. (2001)
RUC	Hexachlorobenzene	118-74-1				1000				Blair et al. (2000)
GST-aERdef	2,2',3,3',4,4'-Hexachlorobiphenyl	38380-07-3				10				Mathews and Zacharewski (2000)
GST-hER def	2,2',3,3',4,4'-Hexachlorobiphenyl	38380-07-3				10				Mathews and Zacharewski (2000)
GST-rtERdef	2,2',3,3',4,4'-Hexachlorobiphenyl	38380-07-3				10				Mathews and Zacharewski (2000)
GST-aERdef	2,2',3,4,4',5'-Hexachlorobiphenyl	35065-28-2				10				Mathews and Zacharewski (2000)
GST-hER def	2,2',3,4,4',5'-Hexachlorobiphenyl	35065-28-2				10				Mathews and Zacharewski (2000)
GST-rtERdef	2,2',3,4,4',5'-Hexachlorobiphenyl	35065-28-2				10				Mathews and Zacharewski (2000)
GST-aERdef	2,2',3,4',5',6'-Hexachlorobiphenyl	38380-04-0				10				Mathews and Zacharewski (2000)
GST-hER def	2,2',3,4',5',6'-Hexachlorobiphenyl	38380-04-0				10				Mathews and Zacharewski (2000)
GST-rtERdef	2,2',3,4',5',6'-Hexachlorobiphenyl	38380-04-0				10				Mathews and Zacharewski (2000)
GST-aERdef	2,2',3,4,5,6'-Hexachlorobiphenyl	68194-15-0				10				Mathews and Zacharewski (2000)
GST-hER def	2,2',3,4,5,6'-Hexachlorobiphenyl	68194-15-0				10				Mathews and Zacharewski (2000)
GST-rtERdef	2,2',3,4,5,6'-Hexachlorobiphenyl	68194-15-0		10				0.031	-1.509	Mathews and Zacharewski (2000)
GST-aERdef	2,2',3,5,5',6'-Hexachlorobiphenyl	52663-63-5				10				Mathews and Zacharewski (2000)
GST-hER def	2,2',3,5,5',6'-Hexachlorobiphenyl	52663-63-5				10				Mathews and Zacharewski (2000)
GST-rtERdef	2,2',3,5,5',6'-Hexachlorobiphenyl	52663-63-5				10				Mathews and Zacharewski (2000)
GST-aERdef	2,2',4,4',5,5'-Hexachlorobiphenyl	35065-27-1				10				Mathews and Zacharewski (2000)

## Data Sorted by Substance and Assay

Assay Type*	Substance	CASRN†	Purity (%)††	IC <sub>50</sub> (μM)**	SD of IC <sub>50</sub> **	HDT (μM)	Ki (μM)**	RBA***	log RBA***	Reference
GST-hER def	2,2',4,4',5,5'-Hexachlorobiphenyl	35065-27-1				10				Mathews and Zacharewski (2000)
GST-rtERdef	2,2',4,4',5,5'-Hexachlorobiphenyl	35065-27-1				10				Mathews and Zacharewski (2000)
hER	2,2',4,4',6,6'-Hexachlorobiphenyl	33979-03-2	≥ 99%			50				Vakharia and Gierthy (2000)
MUC	2,2',4,4',6,6'-Hexachlorobiphenyl	33979-03-2	> 98	5.6				0.27	-0.569	Fielden et al. (1997)
GST-aERdef	2,3,3',4,4',6-Hexachlorobiphenyl	74472-42-7				10				Mathews and Zacharewski (2000)
GST-hERdef	2,3,3',4,4',6-Hexachlorobiphenyl	74472-42-7				10				Mathews and Zacharewski (2000)
GST-rtERdef	2,3,3',4,4',6-Hexachlorobiphenyl	74472-42-7				10				Mathews and Zacharewski (2000)
GST-aERdef	2,3',4,4',5',6-Hexachlorobiphenyl	59291-65-5				10				Mathews and Zacharewski (2000)
GST-hER def	2,3',4,4',5',6-Hexachlorobiphenyl	59291-65-5				10				Mathews and Zacharewski (2000)
GST-rtERdef	2,3',4,4',5',6-Hexachlorobiphenyl	59291-65-5				10				Mathews and Zacharewski (2000)
GST-aERdef	3,3',4,4',5,5'-Hexachlorobiphenyl	32774-16-6				10				Mathews and Zacharewski (2000)
GST-hER def	3,3',4,4',5,5'-Hexachlorobiphenyl	32774-16-6				10				Mathews and Zacharewski (2000)
GST-rtERdef	3,3',4,4',5,5'-Hexachlorobiphenyl	32774-16-6				10				Mathews and Zacharewski (2000)
hER	2,2',3,3',4',5-Hexachloro-4-biphenylol	158076-62-1	> 98					0.07	-1.155	Kuiper et al. (1998) [method a]
hER	2,2',3,3',4',5-Hexachloro-4-biphenylol	158076-62-1	> 98					0.06	-1.222	Kuiper et al. (1998) [method a]
GST-aERdef	2,2',3,3',4',5-Hexachloro-4-biphenylol	158076-62-1				10				Mathews and Zacharewski (2000)
GST-hER def	2,2',3,3',4',5-hexachloro-4-biphenylol	158076-62-1				10				Mathews and Zacharewski (2000)
GST-rtERdef	2,2',3,3',4',5-Hexachloro-4-biphenylol	158076-62-1				10				Mathews and Zacharewski (2000)
GST-aERdef	2,2',3,4',5,5'-Hexachloro-4-biphenylol	145413-90-7				10				Mathews and Zacharewski (2000)
GST-hER def	2,2',3,4',5,5'-Hexachloro-4-biphenylol	145413-90-7				10				Mathews and Zacharewski (2000)
GST-rtERdef	2,2',3,4',5,5'-Hexachloro-4-biphenylol	145413-90-7				10				Mathews and Zacharewski (2000)
hER	2,2',3,4',5,5'-Hexachloro-4-biphenylol	145413-90-7	> 98					0.03	-1.523	Kuiper et al. (1998) [method a]
hER	2,2',3,4',5,5'-Hexachloro-4-biphenylol	145413-90-7	> 98					0.04	-1.398	Kuiper et al. (1998) [method a]
MCF-7 cytosol	2',3,3',4',5,5'-Hexachloro-4-biphenylol	158076-63-2	> 95	2.8				3.2	0.505	Kramer et al. (1997)
RUC	n-Hexanol	111-27-3	98.9			10000				Blair et al. (2000)
hER	Hexestrol	84-16-2					0.00006	302	2.480	Kuiper et al. (1997)
MCF-7 cells	Hexestrol	84-16-2						58	1.763	Stoessel and Leclercq (1986)
MCF-7 cytosol	Hexestrol	84-16-2						100	2.000	Stoessel and Leclercq (1986)
RBC	Hexestrol	84-16-2						74	1.869	Korenman (1969)
rER	Hexestrol	84-16-2					0.00006	234	2.369	Kuiper et al. (1997)
RUC	Hexestrol	84-16-2	99	0.0003	0			299.67	2.480	Blair et al. (2000)
RUC	Hexestrol	84-16-2						300	2.477	Fang et al. (2001)
RUC	DL -Hexestrol	5776-72-7		0.025	0.005			3.60	0.560	Blair et al. (2000)
RUC	Hexestrol monomethyl ether	13026-26-1		0.0096	0.0014			9.37	0.970	Blair et al. (2000)
GST-hER def	3-Hydroxybenzo[ <i>b</i> ]naphtho[2,1- <i>d</i> ]thiophene			0.3	0.074			1.83	0.26	Fertuck et al. (2001)
hER	3-Hydroxybenzo[ <i>b</i> ]naphtho[2,1- <i>d</i> ]thiophene			0.22	0.082			2.50	0.40	Fertuck et al. (2001)
GST-hER def	2-Hydroxybenzo- <i>[c]</i> phenanthrene	22717-94-8		0.25	0.004			2.2	0.34	Fertuck et al. (2001)
hER	2-Hydroxybenzo- <i>[c]</i> phenanthrene	22717-94-8		0.18	0.1			3.10	0.49	Fertuck et al. (2001)
GST-hER def	3-Hydroxybenzo- <i>[b]</i> phenanthro[2,3- <i>d</i> ]thiophene			0.23	0.01			2.40	0.38	Fertuck et al. (2001)
hER	3-Hydroxybenzo- <i>[b]</i> phenanthro[2,3- <i>d</i> ]thiophene			0.11	0.038			5.0	0.70	Fertuck et al. (2001)
RUC	4-Hydroxychalcone	20426-12-4						0.0028	-2.430	Fang et al. (2001)
RUC	4'-Hydroxychalcone	2657-25-2						0.0037	-2.430	Fang et al. (2001)
RUC	4'-Hydroxychalcone ( <i>cis</i> - and <i>trans</i> - )	38239-52-0						0.0037	-2.550	Fang et al. (2001)
GST-hER def	2-Hydroxychrysene	65945-06-4		0.095	0.044			5.80	0.76	Fertuck et al. (2001)
hER	2-Hydroxychrysene	65945-06-4		0.042	0.014			13.33	1.12	Fertuck et al. (2001)
RUC	4'-Hydroxy-2,3-diphenylindene-1							0.45	-0.347	Anstead et al. (1989)
RUC	6'-Hydroxy-2,3-diphenylindene-1							59	1.771	Anstead et al. (1989)
MCF-7 cytosol	11 -Hydroxyestradiol	1464-61-5						3.1	0.491	Palomino et al. (1994)

## Data Sorted by Substance and Assay

Assay Type*	Substance	CASRN†	Purity (%)††	IC <sub>50</sub> (μM)**	SD of IC <sub>50</sub> **	HDT (μM)	Ki (μM)**	RBA***	log RBA***	Reference
RBC	11 -Hydroxyestradiol	5444-22-4						4	0.602	Korenman (1969)
MCF-7 cytosol	11 -Hydroxyestradiol	5444-22-4						16.8	1.225	Palomino et al. (1994)
RUC	11 -Hydroxyestradiol	5444-22-4						7	0.845	Qian and Abul-Hajj (1990)
MCF-7 cells	11 -Hydroxyestradiol	5444-22-4						4	0.602	Stoessel and Leclerq (1986)
MCF-7 cytosol	11 -Hydroxyestradiol	5444-22-4						1	0.000	Stoessel and Leclerq (1986)
MCF-7 cells	14 -Hydroxyestradiol	60183-66-6						3.5	0.544	Stoessel and Leclerq (1986)
MCF-7 cytosol	14 -Hydroxyestradiol	60183-66-6						10	1.000	Stoessel and Leclerq (1986)
hER	2-Hydroxyestradiol	362-05-0					0.0025	7	0.845	Kuiper et al. (1997)
rER	2-Hydroxyestradiol	362-05-0					0.0013	11	1.040	Kuiper et al. (1997)
hER	4-Hydroxyestradiol	5976-61-4					0.001	13	1.114	Kuiper et al. (1997)
rER	4-Hydroxyestradiol	5976-61-4					0.0019	7	0.845	Kuiper et al. (1997)
MCF-7 cytosol	2-Hydroxyestratrien-17 -ol	2259-89-4						18	1.255	Brooks et al. (1987)
MCF-7 cytosol	4-Hydroxyestratrien-17 -ol	17592-89-1						0.8	-0.097	Brooks et al. (1987)
RUC	3-Hydroxyestra-1,3,5(10)-trien-16-one	3601-97-6		0.175	0.005			0.51	-0.290	Blair et al. (2000)
hER	2-Hydroxyestrone	362-06-1						2	0.301	Kuiper et al. (1998) [method a]
hER	2-Hydroxyestrone	362-06-1						0.2	-0.699	Kuiper et al. (1998) [method a]
hER -FP	2-Hydroxyethyl methacrylate	868-77-9	95			5000				Hashimoto et al. (2000)
RUC	3'-Hydroxyflavanone	92496-65-6						0.0017	-2.770	Fang et al. (2001)
RUC	4'-Hydroxyflavanone	135413-27-3						0.0023	-2.640	Fang et al. (2001)
RUC	6-Hydroxyflavanone	4250-77-5						0.0009	-3.050	Fang et al. (2001)
RUC	7-Hydroxyflavanone	6515-36-2						0.00019	-3.720	Fang et al. (2001)
RUC	6-Hydroxyflavone	6665-83-4						0.0004	-3.398	Fang et al. (2001)
RUC	7-Hydroxyflavone	6665-86-7				100				Fang et al. (2001)
RUC	Hydroxyflutamide	52806-53-8				1000				Laws et al. (1996)
RUC	Hydroxyflutamide	52806-53-8					1000	0.0003	-3.523	Waller et al. (1996)
RUC	2-Hydroxy-4-methoxybenzophenone	131-57-7	98			100				Blair et al. (2000)
RUC	6-Hydroxy-2'-methoxyflavone	61546-59-6				100				Fang et al. (2001)
GST-hER def	2-Hydroxy-5-methylchrysene			0.028	0.012			19.60	1.29	Fertuck et al. (2001)
hER	2-Hydroxy-5-methylchrysene			0.029	0.005			19.30	1.29	Fertuck et al. (2001)
GST-hER def	8-Hydroxy-5-methylchrysene			0.18	0.026			3.10	0.49	Fertuck et al. (2001)
hER	8-Hydroxy-5-methylchrysene			0.18	0.032			3.10	0.49	Fertuck et al. (2001)
RUC	16 -Hydroxy-16-methyl-17 -estradiol 3-methyl ether	3434-79-5		2.7	0.2			0.033	-1.480	Blair et al. (2000)
hER	4-Hydroxytamoxifen	68047-06-3					0.0001	178	2.250	Kuiper et al. (1997)
hER	4-Hydroxytamoxifen	68047-06-3						257	2.410	Kuiper et al. (1998) [method a]
hER	4-Hydroxytamoxifen	68047-06-3					0.00022	149	2.173	Sun et al. (1999)
hER -FP	4-Hydroxytamoxifen	68047-06-3	> 93	0.01				400	2.602	Saito et al. (2000)
hER	4-Hydroxytamoxifen	68047-06-3						232	2.365	Kuiper et al. (1998) [method a]
hER	4-Hydroxytamoxifen	68047-06-3					0.0015	62	1.792	Sun et al. (1999)
MUC	4-Hydroxytamoxifen	68047-06-3	> 99	0.0125				14.4	1.150	Shelby et al. (1996)
rER	4-Hydroxytamoxifen	68047-06-3					0.00004	339	2.530	Kuiper et al. (1997)
GST-aERdef	4-Hydroxytamoxifen	68047-06-3		0.0013	0.0001			243	2.386	Matthews et al. (2000)
GST-cERdef	4-Hydroxytamoxifen	68047-06-3		0.0019	0.0003			168	2.225	Matthews et al. (2000)
GST-hER def	4-Hydroxytamoxifen	68047-06-3		0.0019	0.0001			155	2.190	Matthews et al. (2000)
GST-mER def	4-Hydroxytamoxifen	68047-06-3		0.0012	0.0004			212	2.326	Matthews et al. (2000)
GST-rtERdef	4-Hydroxytamoxifen	68047-06-3		0.0012	0.0009			272	2.435	Matthews et al. (2000)
hER -FP	4-Hydroxytamoxifen	68047-06-3		0.096	0.0008			14	1.146	Nikov et al. (2001)
hER -FP	4-Hydroxytamoxifen	68047-06-3		0.026				21.5	1.332	Parker et al. (2000)
RUC	4-Hydroxytamoxifen	68047-06-3		0.000513	0.000112			175.244	2.240	Blair et al. (2000)
MCF-7 cells	4-Hydroxytamoxifen	68047-06-3						2.9	0.462	Stoessel and Leclerq (1986)

## Data Sorted by Substance and Assay

Assay Type*	Substance	CASRN†	Purity (%)††	IC <sub>50</sub> (µM)**	SD of IC <sub>50</sub> **	HDT (µM)	Ki (µM)**	RBA***	log RBA***	Reference
MCF-7 cytosol	4-Hydroxytamoxifen	68047-06-3						100	2.000	Stoessel and Leclercq (1986)
RUC	6-Hydroxytetralin	1125-78-6				500				Elsby et al. (2000)
GST-aERdef	ICI 164384	98007-99-9		0.011	0.002			28	1.447	Mathews et al. (2000)
GST-cERdef	ICI 164384	98007-99-9		0.0052	0.001			62	1.792	Mathews et al. (2000)
GST-hER def	ICI 164384	98007-99-9		0.007	0.0003			42	1.623	Mathews et al. (2000)
GST-mER def	ICI 164384	98007-99-9		0.0059	0.0003			45	1.653	Mathews et al. (2000)
GST-rtERdef	ICI 164384	98007-99-9		0.001	0.0007			327	2.515	Mathews et al. (2000)
hER	ICI 164384	98007-99-9					0.0002	85	1.929	Kuiper et al. (1997)
hER	ICI 164384	98007-99-9		0.00059				158.0	2.200	Kuiper et al. (1998) [method b]
hER	ICI 164384	98007-99-9		0.00114				93.0	1.970	Kuiper et al. (1998) [method b]
rER	ICI 164384	98007-99-9					0.00008	166	2.220	Kuiper et al. (1997)
RUC	ICI 164384	98007-99-9		0.0062	0.0013			14.5	1.160	Blair et al. (2000)
hER	ICI 182780	129453-61-8					0.001	32	1.505	Sun et al. (1999)
hER	ICI 182780	129453-61-8					0.0036	25	1.398	Sun et al. (1999)
RBC	ICI 182780	129453-61-8	99.3	0.000004				500	2.699	Andersen et al. (1999)
RUC	ICI 182780	129453-61-8		0.0024	0.0011			37.46	1.570	Blair et al. (2000)
RUC	ICI 182780	129453-61-8					0.00059979	433	2.636	Waller et al. (1996)
hER -FP	Imiprothrin	72963-72-5	> 93			10				Saito et al. (2000)
MUC	Indanestrol	71855-45-3		0.05	0.005			2	0.301	Korach et al. (1979)
MUC	Indanestrol	71855-45-3		6	5			2.67	0.427	Korach et al. (1985)
MUC	Indanyldiethylstilbestrol			0.002	0.0004			80	1.900	Korach et al. (1978)
MUC	Indenestrol A	24643-97-8		0.0007	0.0001			143	2.155	Korach et al. (1979)
MUC	Indenestrol A	24643-97-8		0.07	0.1			229	2.360	Korach et al. (1985)
MUC	(R)-Indenestrol A	115217-03-3						13	1.110	Korach et al. (1989)
MUC	(rac)-Indenestrol A	115217-02-2						143	2.155	Korach et al. (1989)
MUC	(S)-Indenestrol A	115217-04-4						285	2.460	Korach et al. (1989)
MUC	Indenestrol B	38028-27-2		0.0007	0.0002			143	2.155	Korach et al. (1979)
MUC	Indenestrol B	38028-27-2		0.7	0.1			229	2.360	Korach et al. (1985)
MUC	(R)-Indenestrol B	115217-06-6						100	2.000	Korach et al. (1989)
MUC	(rac) Indenestrol B	133830-97-4						145	2.160	Korach et al. (1989)
MUC	(S)-Indenestrol B							143	2.160	Korach et al. (1989)
MCF-7 cells	Indeno[1,2,3-cd]pyrene	193-39-5						20	1.301	Arcaro et al. (1999)
RUC	Indole[3,2- <i>b</i> ]carbazole		> 98	23				0.00083	-3.081	Liu et al. (1994)
MCF-7 cytosol	16- <i>β</i> -oestradiol	71765-94-1		0.006				100	2.000	Miodini et al. (1999)
MCF-7 cytosol	(E)-17- <i>β</i> -iodovinyloestradiol	82123-96-4					0.00104	17	1.230	Rijks et al. (1996)
RUC	(E)-17- <i>β</i> -iodovinyloestradiol	82123-96-4					0.0022	7	0.845	Rijks et al. (1996)
MCF-7 cytosol	(Z)-17- <i>β</i> -iodovinyloestradiol	177159-09-0					0.00039	51	1.708	Rijks et al. (1996)
RUC	(Z)-17- <i>β</i> -iodovinyloestradiol	177159-09-0					0.00025	63	1.799	Rijks et al. (1996)
hER	Ipriflavone	35212-22-7				10				Kuiper et al. (1998) [method a]
hER	Ipriflavone	35212-22-7				10				Kuiper et al. (1998) [method a]
RUC	Isoeugenol	97-54-1	98			100				Blair et al. (2000)
hER	Kaempferol	520-18-3						0.1	-1.000	Kuiper et al. (1998) [method a]
hER	Kaempferol	520-18-3						3	0.477	Kuiper et al. (1998) [method a]
hER	Kaempferol	520-18-3		0.054				2	0.301	Kuiper et al. (1998) [method b]
RUC	Kaempferol	520-18-3						0.025	-1.600	Fang et al. (2001)
GST-aERdef	Keponone	143-50-0		27	7			0.011	-1.959	Mathews et al. (2000)
GST-cERdef	Keponone	143-50-0		30	1			0.011	-1.959	Mathews et al. (2000)
GST-hER def	Keponone	143-50-0		42	18			0.0069	-2.161	Mathews et al. (2000)
GST-mER def	Keponone	143-50-0		64	3			0.0035	-2.456	Mathews et al. (2000)

## Data Sorted by Substance and Assay

Assay Type*	Substance	CASRN†	Purity (%) <sup>††</sup>	IC <sub>50</sub> (μM) <sup>**</sup>	SD of IC <sub>50</sub> <sup>**</sup>	HDT (μM)	Ki (μM) <sup>**</sup>	RBA <sup>***</sup>	log RBA <sup>***</sup>	Reference
GST-rtERdef	Kepone	143-50-0		6.2	0.4			0.054	-1.268	Mathews et al. (2000)
hER	Kepone	143-50-0						0.06	-1.222	Kuiper et al. (1998) [method a]
hER -FP	Kepone	143-50-0	87.5	5.7				0.2	-0.699	Bolger et al. (1998)
hER	Kepone	143-50-0						0.1	-1.000	Kuiper et al. (1998) [method a]
MUC	Kepone	143-50-0	98			5				Shelby et al. (1996)
RUC	Kepone	143-50-0		7.0	1.00			0.013	-1.890	Blair et al. (2000)
RUC	Kepone	143-50-0		4.005			1.5	0.03	-0.570	Laws et al. (2000)
RUC	Kepone	143-50-0					1.40	0.1862	-0.730	Waller et al. (1996)
MCF-7 cytosol	11-Keto-9 -estradiol					3				Palomino et al. 1994
hER	16-Ketoestradiol	566-75-6						1.3	0.000	Kuiper et al. (1998) [method a]
hER	16-Ketoestradiol	566-75-6						0.9	-0.046	Kuiper et al. (1998) [method a]
MCF-7 cytosol	16-Ketoestradiol	566-75-6						0.9	-0.046	Palomino et al. (1994)
RBC	16-Ketoestradiol	566-75-6						14	1.146	Korenman (1969)
MCF-7 cells	6-Ketoestradiol	571-92-6						15	1.176	Stoessel and Leclercq (1986)
MCF-7 cytosol	6-Ketoestradiol	571-92-6						20	1.301	Stoessel and Leclercq (1986)
RUC	Lindane	58-89-9	99			100				Blair et al. (2000)
RUC	Lindane	58-89-9					1000	0.0003	-3.523	Waller et al. (1996)
RUC	Melatonin	73-31-4	97			100				Blair et al. (2000)
RBC	MER-25	67-98-1						0.00096	-3.018	Korenman (1970)
RUC	Mestibol	18839-90-2		0.0044	0.0005			20.43	1.310	Blair et al. (2000)
RBC	Mestranol	72-33-3						8	0.903	Korenman (1969)
RUC	Mestranol	72-33-3	98	2.5				0.25	-0.541	Allen et al. (1980)
RUC	Mestranol	72-33-3		0.0397	0.0065			2.26	0.350	Blair et al. (2000)
GST-aERdef	<i>p,p'</i> - Methoxychlor	72-43-5				100				Mathews et al. (2000)
GST-cERdef	<i>p,p'</i> - Methoxychlor	72-43-5				100				Mathews et al. (2000)
GST-hER def	<i>p,p'</i> - Methoxychlor	72-43-5				100				Mathews et al. (2000)
GST-mER def	<i>p,p'</i> - Methoxychlor	72-43-5				100				Mathews et al. (2000)
GST-rtERdef	<i>p,p'</i> - Methoxychlor	72-43-5		3.5	0.4			0.95	-0.022	Mathews et al. (2000)
hER	<i>p,p'</i> - Methoxychlor	72-43-5					1.77	0.01	-2.000	Kuiper et al. (1997)
hER	<i>p,p'</i> - Methoxychlor	72-43-5				10				Kuiper et al. (1998) [method a]
hER -FP	<i>p,p'</i> - Methoxychlor	72-43-5	98	135				0.0096	-2.018	Bolger et al. (1998)
hER	<i>p,p'</i> - Methoxychlor	72-43-5				10				Kuiper et al. (1998) [method a]
MCF-7 cytosol	<i>p,p'</i> - Methoxychlor	72-43-5				1000				Dodge et al. (1996)
MUC	<i>p,p'</i> - Methoxychlor	72-43-5	98			5				Shelby et al. (1996)
RBC	<i>p,p'</i> - Methoxychlor	72-43-5	98.4	6.5				0.0031	-2.509	Andersen et al. (1999)
rER	<i>p,p'</i> - Methoxychlor	72-43-5					0.09	0.13	-0.886	Kuiper et al. (1997)
RUC	<i>p,p'</i> - Methoxychlor	72-43-5	95	144	66			0.001	-3.200	Blair et al. (2000)
RUC	<i>p,p'</i> - Methoxychlor	72-43-5	99			100				Blair et al. (2000)
RUC	<i>p,p'</i> - Methoxychlor	72-43-5	95	174			65	0.00062	-3.210	Laws et al. (2000)
RUC	<i>p,p'</i> - Methoxychlor	72-43-5				100				Nelson (1974)
RUC	<i>p,p'</i> - Methoxychlor	72-43-5					69.02	0.0038	-2.420	Waller et al. (1996)
RUC	Methoxychlor olefin	2132-70-9	95			100				Blair et al. (2000)
RUC	3-Methoxyestriol	1474-53-9		4	0			0.022	-1.650	Blair et al. (2000)
MCF-7 cytosol	<i>E</i> -11 -methoxy-17 -iodovinylestradiol	90857-55-9					0.00104	17	1.230	Rijks et al. (1996)
RUC	<i>E</i> -11 -methoxy-17 -iodovinylestradiol	90857-55-9					0.0014	11	1.041	Rijks et al. (1996)
MCF-7 cytosol	( <i>Z</i> ) -11 -methoxy-17 -iodovinylestradiol	177159-11-4					0.00059	31	1.491	Rijks et al. (1996)
RUC	( <i>Z</i> ) -11 -methoxy-17 -iodovinylestradiol	177159-11-4					0.0004	41	1.613	Rijks et al. (1996)
RUC	3-Methoxy-10-methyl-11-phenyldibenzo[ <i>b,f</i> ]thiepin (16 )	85807-06-1						0.005	-2.301	Acton et al. (1983)
RUC	Methoxytamoxifen			0.85				0.74	0.735	Allen et al. (1980)

## Data Sorted by Substance and Assay

Assay Type*	Substance	CASRN†	Purity (%)††	IC <sub>50</sub> (μM)**	SD of IC <sub>50</sub> **	HDT (μM)	Ki (μM)**	RBA***	log RBA***	Reference
RUC	7 -Methyl-14-dehydroestradiol-17	88598-62-3						74	1.869	Gabbard and Segaloff (1983)
RUC	9 -Methyl-14-dehydroestradiol-17	88598-63-4						41	1.613	Gabbard and Segaloff (1983)
RUC	7 -Methyl-14-dehydroestradiol-17 3-methyl ether	35644-59-8						3.1	0.491	Gabbard and Segaloff (1983)
RUC	9 -Methyl-14-dehydroestradiol-17 3-methyl ether	88598-64-5						0.1	-1.000	Gabbard and Segaloff (1983)
RUC	11 -Methyl-14-dehydroestradiol-17 3-methyl ether	88598-65-6						1.2	0.079	Gabbard and Segaloff (1983)
RUC	7 -Methyl-14-dehydroestrone	88598-66-7						52	1.716	Gabbard and Segaloff (1983)
RUC	9 -Methyl-14-dehydroestrone	88598-67-8						6	0.778	Gabbard and Segaloff (1983)
RUC	7 -Methyl-14-dehydroestrone 3-methyl ether	35644-57-6				1				Gabbard and Segaloff (1983)
RUC	9 -Methyl-14-dehydroestrone 3-methyl ether					1				Gabbard and Segaloff (1983)
RUC	11 -Methyl-14-dehydroestrone 3-methyl ether	88598-69-0				1				Gabbard and Segaloff (1983)
RUC	4,4'-Methylenebis(N,N-dimethylaniline)	101-61-1	98			1000				Blair et al. (2000)
RUC	4,4'-Methylenedianiline	101-77-9	97			233				Blair et al. (2000)
RUC	7 Methylradiol-17	10448-97-2						104	2.017	Gabbard and Segaloff (1983)
RUC	9 Methylradiol-17	66463-44-3						35	1.544	Gabbard and Segaloff (1983)
MCF-7 cells	11 -Methylradiol-17	23637-93-6						100	2.000	Stoessel and Leclercq (1986)
MCF-7 cytosol	11 -Methylradiol-17	23637-93-6						100	2.000	Stoessel and Leclercq (1986)
RUC	11 -Methylradiol-17	23637-93-6						124	2.093	Gabbard and Segaloff (1983)
RUC	7 Methylradiol-17 3-methyl ether	15506-01-1						5.3	0.724	Gabbard and Segaloff (1983)
RUC	9 -Methylradiol-17 3-methyl ether	51242-32-1				1				Gabbard and Segaloff (1983)
RUC	11 -Methylradiol-17 3-methyl ether	18046-75-8						5.1	0.708	Gabbard and Segaloff (1983)
RUC	7 -Methylestrone	10448-96-1						68	1.833	Gabbard and Segaloff (1983)
RUC	9 -Methylestrone	71563-77-4						5	0.699	Gabbard and Segaloff (1983)
RUC	11 -Methylestrone	13667-06-6						47	1.672	Gabbard and Segaloff (1983)
RUC	7 -Methylestrone 3-methyl ether	10449-00-0				1				Gabbard and Segaloff (1983)
RUC	9 -Methylestrone 3-methyl ether	31266-41-8				1				Gabbard and Segaloff (1983)
RUC	11 -Methylestrone 3-methyl ether	13667-04-4				1				Gabbard and Segaloff (1983)
RUC	1-Methyl-3-ethyl-6,4'-dihydroxy-2-phenylindene							81	1.908	Anstead et al. (1989)
RUC	1-Methyl-6-hydroxy-2,3-diphenylindene							12	1.079	Anstead et al. (1989)
hER -FP	Methyl methacrylate	80-62-6	> 98			5000				Hashimoto et al. (2000)
RUC	Methyl paraben	99-76-3	99	245	65			0.0004	-3.440	Blair et al. (2000)
RUC	2-(2-Methylphenyl)-3-phenyl-6-hydroxyindene							100	2.000	Anstead et al. (1990)
RUC	Methyltamoxifen	73617-95-5		0.0075				0.3	-0.900	Allen et al. (1980)
RUC	<i>o,p'</i> -Methoxychlor	30667-99-3		9				0.01	-2.000	Nelson (1974)
RUC	Metolachlor	51218-45-2	98.7			100				Blair et al. (2000)
RUC	Mirex	2385-85-5	99			100				Blair et al. (2000)
RUC	Mono- <i>m</i> -acetoxy-1,1,2-triphenylbut-1-ene	82333-69-5						1	0.000	Jordan et al. (1986)
RUC	Monohydroxymethoxychlor	28463-03-8	98	0.69	0.01			0.13	-0.890	Blair et al. (2000)
RUC	Monohydroxymethoxychlor olefin	75938-34-0	98	0.39	0.08			0.23	-0.640	Blair et al. (2000)
RUC	Monohydroxytamoxifen	68392-35-8		0.012				52.1	1.800	Allen et al. (1980)
RUC	Morin	480-16-0						0.00045	-3.350	Fang et al. (2001)
hER	Moxestrol	34816-55-2					0.0005	43	1.633	Kuiper et al. (1997)
MUC	Moxestrol	34816-55-2						4.25	0.628	Korach (1979)
rER	Moxestrol	34816-55-2					0.0026	5	0.699	Kuiper et al. (1997)
RUC	Moxestrol	34816-55-2		0.0065	0.0014			13.83	1.140	Blair et al. (2000)
RUC	Myricetin	529-44-2						0.0018	-2.740	Fang et al. (2001)
hER	Nafoxidine	1845-11-0					0.0003	44	1.643	Kuiper et al. (1997)



## Data Sorted by Substance and Assay

Assay Type*	Substance	CASRN†	Purity (%)††	IC <sub>50</sub> (μM)**	SD of IC <sub>50</sub> **	HDT (μM)	Ki (μM)**	RBA***	log RBA***	Reference
rER	Nafoxidine	1845-11-0					0.008	16	1.204	Kuiper et al. (1997)
RUC	Nafoxidine	1845-11-0		0.125	0.055			0.72	-0.140	Blair et al. (2000)
MCF-7 cells	Nafoxidine	1845-11-0						0.1	-1.000	Stoessel and Leclercq (1986)
MCF-7 cytosol	Nafoxidine	1845-11-0						5	0.699	Stoessel and Leclercq (1986)
GST-aERdef	Naringenin	480-41-1		4.7	0.8			0.065	-1.187	Mathews et al. (2000)
GST-cERdef	Naringenin	480-41-1		39	4			0.0082	-2.086	Mathews et al. (2000)
GST-hER def	Naringenin	480-41-1				100				Mathews et al. (2000)
GST-mER def	Naringenin	480-41-1				100				Mathews et al. (2000)
GST-rtERdef	Naringenin	480-41-1		8.7	1.3			0.039	-1.409	Mathews et al. (2000)
hER	Naringenin	480-41-1						0.01	-2.000	Kuiper et al. (1998) [method a]
hER	Naringenin	480-41-1						0.11	-0.959	Kuiper et al. (1998) [method a]
hER	Naringenin	480-41-1		0.59				0.2	-0.699	Kuiper et al. (1998) [method b]
RUC	Naringenin	480-41-1						0.0075	-2.120	Fang et al. (2001)
RUC	Naringin	10236-47-2				100				Fang et al. (2001)
RUC	Nerolidol	7212-44-4	97.7			1000				Blair et al. (2000)
MCF-7 cytosol	4-Nitroestratrien-3-ol-17-one	5976-74-9						6	0.778	Brooks et al. (1987)
MCF-7 cytosol	2-Nitroestratriene-3,17 -diol	6298-51-7						1	0.000	Brooks et al. (1987)
MCF-7 cytosol	4-Nitroestratriene-3,17 -diol	6936-94-3						13	1.114	Brooks et al. (1987)
MCF-7 cytosol	2-Nitroestratrien-3-ol-17-one	5976-73-8						0.1	-1.000	Brooks et al. (1987)
RBC	Nitromifene	10448-84-7						0.12	-0.924	Korenman (1970)
hER	<i>cis</i> -Nonachlor	5103-73-1				50				Klotz et al. (1996)
hER	<i>trans</i> -Nonachlor	39765-80-5				50				Klotz et al. (1996)
RUC	Nonylbenzene	1081-77-2				500				Elsby et al. (2000)
hER	<i>n</i> -Nonylphenol	25154-52-3						0.05	-1.301	Kuiper et al. (1998) [method a]
hER	<i>n</i> -Nonylphenol	25154-52-3		500				0.001	-3.00	Morito et al. (2001)
hER	<i>n</i> -Nonylphenol	25154-52-3						0.09	-1.046	Kuiper et al. (1998) [method a]
hER	<i>n</i> -Nonylphenol	25154-52-3		8				0.063	-1.20	Morito et al. (2001)
MUC	<i>n</i> -Nonylphenol	25154-52-3	99.5			5				Shelby et al. (1996)
RBC	<i>n</i> -Nonylphenol	25154-52-3	99.9	1.8				0.0011	-2.959	Andersen et al. (1999)
hER -FP	<i>p</i> -Nonylphenol	104-40-5	85	3.9				0.3	-0.523	Bolger et al. (1998)
hER -FP	<i>p</i> -Nonylphenol	104-40-5	> 93	7				0.5	-0.301	Saito et al. (2000)
MCF-7 cells	<i>p</i> -Nonylphenol	104-40-5	Technical grade					0.026	-1.585	Nagel et al. (1997)
MCF-7 cytosol	<i>p</i> -Nonylphenol	104-40-5		7.2	3			0.021	-1.678	Soto et al. (1995)
RUC	<i>p</i> -Nonylphenol	104-40-5	85	4.73	0.93			0.019	-1.720	Blair et al. (2000)
RUC	<i>p</i> -Nonylphenol	104-40-5	Technical grade	3.05	0.15			0.029	-1.530	Blair et al. (2000)
RUC	<i>p</i> -Nonylphenol	104-40-5	85	2.9	0.8			0.031	-1.510	Blair et al. (2000)
RUC	<i>p</i> -Nonylphenol	104-40-5	Technical grade	2.6	0.3			0.035	-1.460	Blair et al. (2000)
RUC	<i>p</i> -Nonylphenol	104-40-5	95.6	2.4	0.3			0.037	-1.430	Blair et al. (2000)
RUC	<i>p</i> -Nonylphenol	104-40-5	98	28	10			0.0032	-2.490	Blair et al. (2000)
RUC	<i>p</i> -Nonylphenol	104-40-5		3				0.17	-0.770	Elsby et al. (2000)
RUC	<i>p</i> -Nonylphenol	104-40-5	85	0.1794			0.67	0.158	-0.800	Laws et al. (2000)
RUC	<i>p</i> -Nonylphenol	104-40-5	95	8				0.0025	-2.602	Routledge et al. (1998)
RUC	<i>p</i> -Nonylphenol	104-40-5					0.83	0.31	-0.504	Waller et al. (1996)
RBC	Nonylphenol dodecylethoxylate					100				Andersen et al. (1999)
RUC	Nordihydroguariaretic acid	500-38-9	97	2.9	1.6			0.031	-1.510	Blair et al. (2000)
hER	Norethindrone	68-22-4					0.15	0.07	-1.155	Kuiper et al. (1997)
rER	Norethindrone	68-22-4					1.08	0.01	-2.000	Kuiper et al. (1997)
hER	Norethynodrel	68-23-5					0.014	0.7	-0.155	Kuiper et al. (1997)
rER	Norethynodrel	68-23-5					0.053	0.22	-0.658	Kuiper et al. (1997)

## Data Sorted by Substance and Assay

Assay Type*	Substance	CASRN†	Purity (%)††	IC <sub>50</sub> (μM)**	SD of IC <sub>50</sub> **	HDT (μM)	Ki (μM)**	RBA***	log RBA***	Reference
RUC	Norethynodrel	68-23-5		0.44	0.04			0.20	-0.690	Blair et al. (2000)
RUC	Norethynodrel	68-23-5	99	0.4	0.010			0.23	-0.650	Blair et al. (2000)
hER	19-Nortestosterone	434-22-0					0.77	0.01	-2.000	Kuiper et al. (1997)
MUC	19-Nortestosterone	434-22-0						0.1	0.950	Korach (1979)
rER	19-Nortestosterone	434-22-0					0.053	0.23	-0.638	Kuiper et al. (1997)
GST-aERdef	2,2',3,3',4,4',5,5'-Octachlorobiphenyl	35694-08-7				10				Matthews and Zacharewski (2000)
GST-hER def	2,2',3,3',4,4',5,5'-Octachlorobiphenyl	35694-08-7				10				Matthews and Zacharewski (2000)
GST-rtERdef	2,2',3,3',4,4',5,5'-Octachlorobiphenyl	35694-08-7				10				Matthews and Zacharewski (2000)
RUC	1,8-Octanediol	629-41-4				100				Blair et al. (2000)
hER	4- <i>n</i> -Octylphenol	1806-26-4						0.07	-1.155	Kuiper et al. (1998) [method a]
MCF-7 cells	4- <i>n</i> -Octylphenol	1806-26-4	Technical grade					0.072	-1.143	Nagel et al. (1997)
MCF-7 cytosol	4- <i>n</i> -Octylphenol	1806-26-4		0.9				1	0.000	Dodge et al. (1996)
RBC	4- <i>n</i> -Octylphenol	1806-26-4	99.4			100				Andersen et al. (1999)
hER	4- <i>n</i> -Octylphenol	1806-26-4						0.02	-1.699	Kuiper et al. (1998) [method a]
RUC	4- <i>n</i> -Octylphenol	1806-26-4	99	19.5	1.5			0.005	-2.340	Blair et al. (2000)
GST-aERdef	4- <i>tert</i> -Octylphenol	140-66-9		3.9	1.6			0.099	-1.004	Matthews et al. (2000)
GST-cERdef	4- <i>tert</i> -Octylphenol	140-66-9		0.56	0.01			0.57	-0.244	Matthews et al. (2000)
GST-hER def	4- <i>tert</i> -Octylphenol	140-66-9		2.4	0.7			0.12	-0.921	Matthews et al. (2000)
GST-mER def	4- <i>tert</i> -Octylphenol	140-66-9		1.6	0.1			0.17	-0.770	Matthews et al. (2000)
GST-rtERdef	4- <i>tert</i> -Octylphenol	140-66-9		0.11	0.02			3.2	0.505	Matthews et al. (2000)
hER	4- <i>tert</i> -Octylphenol	140-66-9						0.01	-2.000	Kuiper et al. (1998) [method a]
hER -FP	4- <i>tert</i> -Octylphenol	140-66-9	97	7.5				0.2	-0.699	Bolger et al. (1998)
hER	4- <i>tert</i> -Octylphenol	140-66-9						0.03	-1.523	Kuiper et al. (1998) [method a]
RUC	4- <i>tert</i> -Octylphenol	140-66-9					1.32	0.197	-0.706	Waller et al. (1996)
RUC	4- <i>tert</i> -Octylphenol	140-66-9	97	6.0	1.10			0.015	-1.820	Blair et al. (2000)
RUC	4- <i>tert</i> -Octylphenol	140-66-9	97	0.2085			0.78	0.51	-0.291	Laws et al. (2000)
GST-aERdef	2,2',3,3',6-Pentachlorobiphenyl	52663-60-2				10				Matthews and Zacharewski (2000)
GST-hER def	2,2',3,3',6-Pentachlorobiphenyl	52663-60-2				10				Matthews and Zacharewski (2000)
GST-rtERdef	2,2',3,3',6-Pentachlorobiphenyl	52663-60-2				10				Matthews and Zacharewski (2000)
GST-aERdef	2,2',3,4,5'-Pentachlorobiphenyl	38380-02-8				10				Matthews and Zacharewski (2000)
GST-hER def	2,2',3,4,5'-Pentachlorobiphenyl	38380-02-8				10				Matthews and Zacharewski (2000)
GST-rtERdef	2,2',3,4,5'-Pentachlorobiphenyl	38380-02-8				10				Matthews and Zacharewski (2000)
GST-aERdef	2,2',3,4',6-Pentachlorobiphenyl	68194-05-8				10				Matthews and Zacharewski (2000)
GST-hER def	2,2',3,4',6-Pentachlorobiphenyl	68194-05-8				10				Matthews and Zacharewski (2000)
GST-rtERdef	2,2',3,4',6-Pentachlorobiphenyl	68194-05-8		10				0.031	-1.509	Matthews and Zacharewski (2000)
GST-aERdef	2,2',3,5',6-Pentachlorobiphenyl	38379-99-6				10				Matthews and Zacharewski (2000)
GST-hER def	2,2',3,5',6-Pentachlorobiphenyl	38379-99-6				10				Matthews and Zacharewski (2000)
GST-rtERdef	2,2',3,5',6-Pentachlorobiphenyl	38379-99-6				10				Matthews and Zacharewski (2000)
GST-aERdef	2,2',4,4',5-Pentachlorobiphenyl	38380-01-7				10				Matthews and Zacharewski (2000)
GST-hER def	2,2',4,4',5-Pentachlorobiphenyl	38380-01-7				10				Matthews and Zacharewski (2000)
GST-rtERdef	2,2',4,4',5-Pentachlorobiphenyl	38380-01-7				10				Matthews and Zacharewski (2000)
GST-aERdef	2,2',4,5,5'-Pentachlorobiphenyl	37680-73-2				10				Matthews and Zacharewski (2000)
GST-hER def	2,2',4,5,5'-Pentachlorobiphenyl	37680-73-2				10				Matthews and Zacharewski (2000)
GST-rtERdef	2,2',4,5,5'-Pentachlorobiphenyl	37680-73-2				10				Matthews and Zacharewski (2000)
GST-aERdef	2,2',4,6,6'-Pentachlorobiphenyl	56558-16-8		10				0.025	-1.602	Matthews and Zacharewski (2000)
GST-hER def	2,2',4,6,6'-Pentachlorobiphenyl	56558-16-8		10				0.024	-1.620	Matthews and Zacharewski (2000)
GST-rtERdef	2,2',4,6,6'-Pentachlorobiphenyl	56558-16-8		1.3	0.6			0.24	-0.623	Matthews and Zacharewski (2000)
MUC	2,2',4,6,6'-Pentachlorobiphenyl	56558-16-8	> 98	1.7				0.88	-0.056	Fielden et al. (1997)
GST-aERdef	2,3,3',5,6'-Pentachlorobiphenyl	74472-36-9				10				Matthews and Zacharewski (2000)

## Data Sorted by Substance and Assay

Assay Type*	Substance	CASRN†	Purity (%)††	IC <sub>50</sub> (μM)**	SD of IC <sub>50</sub> **	HDT (μM)	Ki (μM)**	RBA***	log RBA***	Reference
GST-hER def	2,3,3',5,6,-Pentachlorobiphenyl	74472-36-9				10				Mathews and Zacharewski (2000)
GST-rtERdef	2,3,3',5,6,-Pentachlorobiphenyl	74472-36-9				10				Mathews and Zacharewski (2000)
GST-aERdef	2,3,4,4',6,-Pentachlorobiphenyl	74472-38-1				10				Mathews and Zacharewski (2000)
GST-hER def	2,3,4,4',6,-Pentachlorobiphenyl	74472-38-1				10				Mathews and Zacharewski (2000)
GST-rtERdef	2,3,4,4',6,-Pentachlorobiphenyl	74472-38-1		10				0.031	-1.509	Mathews and Zacharewski (2000)
GST-aERdef	3,3',4,4',5,-Pentachlorobiphenyl	57465-28-8				10				Mathews and Zacharewski (2000)
GST-hER def	3,3',4,4',5,-Pentachlorobiphenyl	57465-28-8				10				Mathews and Zacharewski (2000)
GST-rtERdef	3,3',4,4',5,-Pentachlorobiphenyl	57465-28-8				10				Mathews and Zacharewski (2000)
hER	2,2',3',4',5'-Pentachloro-4-biphenylol	150304-12-4	> 98					0.1	-1.000	Kuiper et al. (1998) [method a]
hER	2,2',3',4',5'-Pentachloro-4-biphenylol	150304-12-4	> 98					0.13	-0.886	Kuiper et al. (1998) [method a]
MUC	2,2',3',4',5'-Pentachloro-4-biphenylol	150304-12-4	> 98	6.3				0.033	-1.480	Connor et al. (1997)
RUC	2,2',3',4',5'-Pentachloro-4-biphenylol	150304-12-4	> 98	40				0.036	-1.440	Connor et al. (1997)
hER	2,2',3',4',6'-Pentachloro-4-biphenylol	150304-10-2	> 98					0.3	-0.523	Kuiper et al. (1998) [method a]
hER	2,2',3',4',6'-Pentachloro-4-biphenylol	150304-10-2	> 98					0.2	-0.699	Kuiper et al. (1998) [method a]
MUC	2,2',3',4',6'-Pentachloro-4-biphenylol	150304-10-2	> 98	4.8				0.044	-1.360	Connor et al. (1997)
RUC	2,2',3',4',6'-Pentachloro-4-biphenylol	150304-10-2	> 98	12				0.12	-0.920	Connor et al. (1997)
hER	2,2',3',5',6'-Pentachloro-4-biphenylol	150304-11-3	> 98					0.09	-1.046	Kuiper et al. (1998) [method a]
hER	2,2',3',5',6'-Pentachloro-4-biphenylol	150304-11-3	> 98					0.03	-1.523	Kuiper et al. (1998) [method a]
MUC	2,2',3',5',6'-Pentachloro-4-biphenylol	150304-11-3	> 98	16				0.013	-1.890	Connor et al. (1997)
RUC	2,2',3',5',6'-Pentachloro-4-biphenylol	150304-11-3	> 98	10				0.14	-0.850	Connor et al. (1997)
MUC	2,2',4,6,6'-Pentachloro-4-biphenylol		> 98	0.07				21.43	1.331	Fielden et al. (1997)
MCF-7 cytosol	2',3,3',4,4'-Pentachloro-2-biphenylol	150975-80-7	> 95	5.7	0.2			0.004	-2.398	Kramer et al. (1997)
hER	2',3,3',4',5'-Pentachloro-4-biphenylol	192190-09-3	> 98					0.01	-2.000	Kuiper et al. (1998) [method a]
hER	2',3,3',4',5'-Pentachloro-4-biphenylol	149589-55-9	> 98					0.11	-0.959	Kuiper et al. (1998) [method a]
hER	2',3,3',4',5'-Pentachloro-4-biphenylol	192190-09-3	> 98			10				Kuiper et al. (1998) [method a]
hER	2',3,3',4',5'-Pentachloro-4-biphenylol	149589-55-9	> 98					0.11	-0.959	Kuiper et al. (1998) [method a]
MUC	2',3,3',4',5'-Pentachloro-4-biphenylol	149589-55-9	> 98	2.9				0.072	-1.140	Connor et al. (1997)
RUC	2',3,3',4',5'-Pentachloro-4-biphenylol	149589-55-9	> 98	17				0.082	-1.090	Connor et al. (1997)
hER	2,3,3',4',5'-Pentachloro-4-biphenylol	152969-11-4	> 98					0.03	-1.523	Kuiper et al. (1998) [method a]
hER	2,3,3',4',5'-Pentachloro-4-biphenylol	152969-11-4	> 98					0.11	-1.699	Kuiper et al. (1998) [method a]
MCF-7 cytosol	2,3,3',4',5'-Pentachloro-4-biphenylol	152969-11-4	> 95	3.3	0.2			1	0.000	Kramer et al. (1997)
MCF-7 cytosol	2',3,3',4',5'-Pentachloro-4-biphenylol	192190-09-3	> 95	4.2				0.1	-1.000	Kramer et al. (1997)
MCF-7 cytosol	2',3,3',4',5'-Pentachloro-4-biphenylol	192190-09-3	> 95	4.2				0.1	-1.000	Kramer et al. (1997)
GST-aERdef	2,3,3',4',5'-Pentachloro-4-biphenylol	152969-11-4				10				Mathews and Zacharewski (2000)
GST-hER def	2,3,3',4',5'-Pentachloro-4-biphenylol	152969-11-4				10				Mathews and Zacharewski (2000)
GST-rtERdef	2,3,3',4',5'-Pentachloro-4-biphenylol	152969-11-4				10				Mathews and Zacharewski (2000)
GST-rtERdef	2',3,3',4',5'-Pentachloro-4-biphenylol	192190-09-3				10				Mathews and Zacharewski (2000)
hER	2',3,3',4',6'-Pentachloro-4-biphenylol	192190-10-6	> 98					0.13	-0.886	Kuiper et al. (1998) [method a]
hER	2',3,3',4',6'-Pentachloro-4-biphenylol	192190-10-6	> 98					0.12	-0.921	Kuiper et al. (1998) [method a]
MUC	2',3,3',4',6'-Pentachloro-4-biphenylol	192190-10-6	> 98			1000				Connor et al. (1997)
RUC	2',3,3',4',6'-Pentachloro-4-biphenylol	192190-10-6	> 98	35				0.041	-1.390	Connor et al. (1997)
hER	2',3,3',5',6'-Pentachloro-4-biphenylol	189578-02-7	> 98					0.06	-1.222	Kuiper et al. (1998) [method a]
hER	2',3,3',5',6'-Pentachloro-4-biphenylol	189578-02-7	> 98					0.04	-1.398	Kuiper et al. (1998) [method a]
MUC	2',3,3',5',6'-Pentachloro-4-biphenylol	189578-02-7	> 98	6.7				0.031	-1.520	Connor et al. (1997)
RUC	2',3,3',5',6'-Pentachloro-4-biphenylol	189578-02-7	> 98	21				0.068	-1.170	Connor et al. (1997)
MCF-7 cytosol	2',3,4,4',5'-Pentachloro-3-biphenylol	150975-81-8	> 95	3	1.2			2	0.301	Kramer et al. (1997)
MCF-7 cytosol	2,3,4,4',5'-Pentachloro-3-biphenylol	170946-11-9	> 95	3.3	0.2			1	0.000	Kramer et al. (1997)
MCF-7 cytosol	2',3,4',5,5'-Pentachloro-4-biphenylol	149589-56-0						0.8	-0.969	Kramer et al. (1997)
MCF-7 cytosol	3,3',4',5,5'-Pentachloro-4-biphenylol	130689-92-8	> 95	5.1	1.8			0.02	-1.699	Kramer et al. (1997)

## Data Sorted by Substance and Assay

Assay Type*	Substance	CASRN†	Purity (%)††	IC <sub>50</sub> (μM)**	SD of IC <sub>50</sub> **	HDT (μM)	Ki (μM)**	RBA***	log RBA***	Reference
RUC	Pentolame	150748-24-6		20				0.04	-1.398	Jaimez et al. (2000)
hER -FP	Permethrin	52645-53-1	> 93			10				Saito et al. (2000)
MCF-7 cells	Phenanthrene	85-01-8				5				Arcaro et al. (1999)
RUC	4-Phenethylphenol	6335-83-7		44	6			0.002	-2.690	Blair et al. (2000)
MCF-7 cells	Phenol, 4,4'-[1,2-bis(methylene)-1,2-ethanediyl]bis-	107144-81-0						26	1.415	Stoessel and Leclerq (1986)
MCF-7 cytosol	Phenol, 4,4'-[1,2-bis(methylene)-1,2-ethanediyl]bis-	107144-81-0						20	1.301	Stoessel and Leclerq (1986)
MCF-7 cells	Phenol, 4-[7-(2 Dimethylamino)- ethoxy]-11-ethylidibenzo- [b,f] thiepin-10-yl]-	85850-74-4						0.3	-0.523	Stoessel and Leclerq (1986)
MCF-7 cytosol	Phenol, 4-[7-(2 Dimethylamino)- ethoxy]-11-ethylidibenzo- [b,f] thiepin-10-yl]-	85850-74-4						63	1.799	Stoessel and Leclerq (1986)
RUC	Phenol, 4-[7-(2 Dimethylamino)- ethoxy]-11-ethylidibenzo- [b,f] thiepin-10-yl]-	85850-74-4						63	1.799	Acton et al. (1983)
MCF-7 cells	Phenol, 4-[3-(2 dimethylamino)- ethoxy]-11-ethylidibenzo- [b,f] thioctin-12-yl)-	85850-81-3						2.5	0.398	Stoessel and Leclerq (1986)
MCF-7 cytosol	Phenol, 4-[3-(2 dimethylamino)ethoxy]-11-ethylidibenzo[b,f] thioctin-12-yl)	85850-81-3						50	1.699	Stoessel and Leclerq (1986)
RUC	Phenol, 4-[3-(2 dimethylamino)- ethoxy]-11-ethylidibenzo- [b,f] thioctin-12-yl)	85850-81-3						52	1.716	Acton et al. (1983)
MCF-7 cells	Phenol, 4-[2-(2 dimethylamino)- ethoxy]-6-ethyl-11,12-dihydro- dibenzo[a,e ]-cycloocten-5-yl]-	85850-75-5						1.3	0.114	Stoessel and Leclerq (1986)
MCF-7 cytosol	Phenol, 4-[2-(2 dimethylamino)- ethoxy]-6-ethyl-11,12-dihydro- dibenzo[a,e ]-cycloocten-5-yl]-	85850-75-5						50	1.699	Stoessel and Leclerq (1986)
RUC	Phenol, 4-[2-(2 dimethylamino)- ethoxy]-6-ethyl-11,12-dihydro- dibenzo[a,e ]-cycloocten-5-yl]-	85850-75-5						50	1.699	Acton et al. (1983)
MCF-7 cells	Phenol, 3-[2- dimethylamino- ethoxy]- 10-ethyl- 4-hydroxy- phenyl dibenzo- [b,f]oxepin	85850-80-2						0.1	-1.000	Stoessel and Leclerq (1986)
MCF-7 cytosol	Phenol, 3-[2- dimethylamino- ethoxy]- 10-ethyl- 4-hydroxy- phenyl dibenzo- [b,f]oxepin	85850-80-2						6	0.778	Stoessel and Leclerq (1986)
RUC	Phenol, 3-[2- dimethylamino- ethoxy]- 10-ethyl- 4-hydroxy- phenyl dibenzo- [b,f]oxepin	85850-80-2						6.1	0.785	Acton et al. (1983)
MCF-7 cells	Phenol, 4-[1-[4-[2-(dimethyl- amino) ethoxy] phenyl]-2-phenyl-1-butenyl]-3-methyl-, (E )-	96474-35-0						0.4	-0.398	Stoessel and Leclerq (1986)
MCF-7 cytosol	Phenol, 4-[1-[4-[2-(dimethyl- amino) ethoxy] phenyl]-2-phenyl-1-butenyl]-3-methyl-, (E )-	96474-35-0						100	2.000	Stoessel and Leclerq (1986)
MCF-7 cells	Phenol, 4-(1, 2-diphenyl-1-butenyl)-	69967-79-9						2	0.301	Stoessel and Leclerq (1986)
MCF-7 cytosol	Phenol, 4-(1, 2-diphenyl-1-butenyl)-	69967-79-9						15	1.176	Stoessel and Leclerq (1986)
MCF-7 cells	Phenol, 4-(1Z )-1,2-diphenyl-1-butenyl)-	69967-80-2						0.4	-0.398	Stoessel and Leclerq (1986)
MCF-7 cytosol	Phenol, 4-(1Z )-1,2-diphenyl-1-butenyl)-	69967-80-2						1	0.000	Stoessel and Leclerq (1986)
MCF-7 cells	Phenol, 4-[2-Nitro-2-phenyl-1-[4-[2-(1-pyrrolidinyl)ethoxy]-phenyl]ethenyl]phenyl, (E )-	107144-84-3						2.1	0.322	Stoessel and Leclerq (1986)
MCF-7 cytosol	Phenol, 4-[2-Nitro-2-phenyl-1-[4-[2-(1-pyrrolidinyl)ethoxy]-phenyl]ethenyl]phenyl, (E )-	107144-84-3						100	2.000	Stoessel and Leclerq (1986)
MCF-7 cells	Phenol, 4,4'-(2-phenyl-1-butenylidene)bis-	91221-46-4						2	0.301	Stoessel and Leclerq (1986)
MCF-7 cytosol	Phenol, 4,4'-(2-phenyl-1-butenylidene)bis-	91221-46-4						100	2.000	Stoessel and Leclerq (1986)
RUC	Phenolphthalin	77-09-8		6.73	0.018			0.013	-1.870	Blair et al. (2000)
RUC	Phenolphthalin	81-90-3	99	425	75			0.0002	-3.670	Blair et al. (2000)
RUC	Phenol Red	143-74-8	95	160	60			0.001	-3.250	Blair et al. (2000)
hER -FP	<i>d</i> -Phenothrin	26002-80-2	> 93			10				Saito et al. (2000)
RUC	2-Phenyl-3-(2-fluoro-4-hydroxyphenyl)-6-hydroxyindene							9.6	0.982	Anstead et al. (1990)
RUC	2-Phenyl-3-(2-fluorophenyl)-6-hydroxyindene							12	1.079	Anstead et al. (1990)
RUC	3-Phenyl-4'-hydroxy-2-phenylindene							0.017	-1.770	Anstead et al. (1989)
RUC	3-Phenyl-4'-hydroxy-2-phenylindene							0.36	-0.444	Anstead et al. (1989)
RUC	3-Phenyl-6-hydroxy-2-phenylindene							8.9	0.949	Anstead et al. (1989)
RUC	2-Phenyl-3-(2-methylphenyl)-6-hydroxyindene							11	1.041	Anstead et al. (1990)

## Data Sorted by Substance and Assay

Assay Type*	Substance	CASRN†	Purity (%)††	IC <sub>50</sub> (μM)**	SD of IC <sub>50</sub> **	HDT (μM)	Ki (μM)**	RBA***	log RBA***	Reference
RUC	2-Phenyl-3-(4-methylphenyl)-6-hydroxyindene							1.7	0.230	Anstead et al. (1990)
RUC	2-Phenylphenol	90-43-7	99			100				Blair et al. (2000)
RUC	3-Phenylphenol	580-51-8	90	245	45			0.0004	-3.440	Blair et al. (2000)
MUC	4-Phenylphenol	92-69-3	> 98			5				Korach et al. (1988)
RUC	4-Phenylphenol	92-69-3	90	98	52			0.001	-3.040	Blair et al. (2000)
hER	Phloretin	60-82-2						0.2	-0.699	Kuiper et al. (1998) [method a]
hER	Phloretin	60-82-2						0.7	-0.155	Kuiper et al. (1998) [method a]
RUC	Phloretin	60-82-2						0.069	-1.160	Fang et al. (2001)
hER -FP	Prallethrin	23031-36-9	> 93			10				Saito et al. (2000)
hER	Progesterone	57-83-0				100				Kuiper et al. (1997)
hER	Progesterone	57-83-0				10				Kuiper et al. (1998) [method a]
hER	Progesterone	57-83-0				10				Kuiper et al. (1998) [method a]
MUC	Progesterone	57-83-0				10				Korach (1979)
rER	Progesterone	57-83-0				100				Kuiper et al. (1997)
RUC	Progesterone	57-83-0	99			1000				Blair et al. (2000)
RUC	Progesterone	57-83-0				2667				Laws et al. (2000)
RUC	Progesterone	57-83-0					1000	0.0003	-3.523	Waller et al. (1996)
RUC	Prolame	99876-41-2		7				0.11	-0.959	Jaimetz et al. (2000)
RUC	Promegestone	34184-77-5	98			2667				Laws et al. (2000)
MUC	Promegestone	34184-77-5				10				Korach (1979)
RUC	Promegestone	34184-77-5					1.18	0.22	-0.658	Waller et al. (1996)
RUC	Prometon	1610-18-0				1000				Blair et al. (2000)
hER -FP	Propazine	139-40-2	99.9			2000				Hanioka et al. (1999)
RUC	Propyl paraben	94-13-3	99	150	10			0.0006	-3.220	Blair et al. (2000)
hER	Propylpyrazoletriol							49	1.690	Kraichely et al. (2000)
hER	Propylpyrazoletriol							0.12	-0.921	Kraichely et al. (2000)
RUC	Prunetin	552-59-0						0.0018	-2.740	Fang et al. (2001)
MUC	Pseudodiethylstilbestrol	39011-86-4		0.0011	0.0002			91	1.960	Korach et al. (1979)
MUC	Pseudodiethylstilbestrol	39011-86-4		1.1	0.2			145.5	2.160	Korach et al. (1985)
MCF-7 cells	Pyrene	129-00-0				5				Arcaro et al. (1999)
MCF-7 cells	Pyrolidone, 1-[2-[4-[1-(4-methoxyphenyl)-2-nitro-2-phenylethenyl]phenoxy]ethyl]-, (E)	77413-87-7						0.07	-1.155	Stoessel and Leclercq (1986)
MCF-7 cytosol	Pyrolidone, 1-[2-[4-[1-(4-methoxyphenyl)-2-nitro-2-phenylethenyl]phenoxy]ethyl]-, (E)	77413-87-7						11	1.041	Stoessel and Leclercq (1986)
hER	Quercetin	117-39-5						0.01	-2.000	Kuiper et al. (1998) [method a]
hER	Quercetin	117-39-5						0.04	-1.398	Kuiper et al. (1998) [method a]
MCF-7 cytosol	Quercetin	117-39-5				25				Miodini et al. (1999)
RUC	Quercetin	117-39-5				100				Fang et al. (2001)
GST-aERdef	Quercetin	117-39-5		19	2			0.016	-1.796	Mathews et al. (2000)
GST-cERdef	Quercetin	117-39-5		82	22			0.0039	-2.409	Mathews et al. (2000)
GST-hER def	Quercetin	117-39-5				100			n.a	Mathews et al. (2000)
GST-mER def	Quercetin	117-39-5				100				Mathews et al. (2000)
GST-rtERdef	Quercetin	117-39-5		8	2			0.042	-1.377	Mathews et al. (2000)
MCF-7 cells	6-Quinololinol, 1-ethyl-1,2-dihydro-3-(4-hydroxyphenyl)-4-methyl-	107144-82-1						22	1.342	Stoessel and Leclercq (1986)
MCF-7 cytosol	6-Quinololinol, 1-ethyl-1,2-dihydro-3-(4-hydroxyphenyl)-4-methyl-	107144-82-1						33	1.519	Stoessel and Leclercq (1986)
MCF-7 cells	7-Quinololinol, 1-ethyl-1,2-dihydro-3-(4-hydroxyphenyl)-4-methyl-	107144-83-2						3	0.477	Stoessel and Leclercq (1986)

## Data Sorted by Substance and Assay

Assay Type*	Substance	CASRN†	Purity (%)††	IC <sub>50</sub> (μM)**	SD of IC <sub>50</sub> **	HDT (μM)	Ki (μM)**	RBA***	log RBA***	Reference
MCF-7 cytosol	7-Quinololinol, 1-ethyl-1,2-dihydro-3-(4-hydroxyphenyl)-4-methyl-	107144-83-2						9	0.954	Stoessel and Leclercq (1986)
hER	Raloxifene	84449-90-1						69	1.839	Kuiper et al. (1998) [method a]
hER	Raloxifene	84449-90-1		0.0018				51.7	1.700	Kuiper et al. (1998) [method b]
hER	Raloxifene	84449-90-1						16	1.204	Kuiper et al. (1998) [method a]
hER	Raloxifene	84449-90-1		0.0041				25.9	1.410	Kuiper et al. (1998) [method b]
hER	Raloxifene hydrochloride	82640-04-8		0.0008				62.5	1.796	Arcaro et al. (2000)
RUC	Resveratrol	501-36-0		0.001				300	2.477	Ashby et al. (1999)
RUC	Rutin	153-18-4						0.000082	-4.090	Fang et al. (2001)
GST-aERdef	Simazine	122-34-9				100				Mathews et al. (2000)
GST-cERdef	Simazine	122-34-9				100				Mathews et al. (2000)
GST-hER def	Simazine	122-34-9				100				Mathews et al. (2000)
GST-mER def	Simazine	122-34-9				100				Mathews et al. (2000)
GST-rtERdef	Simazine	122-34-9				100				Mathews et al. (2000)
hER -FP	Simazine	122-34-9	99.4			2000				Hanioka et al. (1999)
RUC	Simazine	122-34-9	99			33.3				Blair et al. (2000)
GST-aERdef	-Sitosterol	83-46-5				100				Mathews et al. (2000)
GST-cERdef	-Sitosterol	83-46-5				100				Mathews et al. (2000)
GST-hER def	-Sitosterol	83-46-5				100		n.a		Mathews et al. (2000)
GST-mER def	-Sitosterol	83-46-5				100				Mathews et al. (2000)
GST-rtERdef	-Sitosterol	83-46-5				100				Mathews et al. (2000)
hER	-Sitosterol	83-46-5				100				Kuiper et al. (1997)
rER	-Sitosterol	83-46-5				100				Kuiper et al. (1997)
RUC	-Sitosterol	83-46-5				1000				Fang et al. (2001)
RUC	4,4'-Stilbenediol	659-22-3		0.32	0.09			0.281	-0.550	Blair et al. (2000)
RUC	4-Stilbenol	3839-46-1				100				Blair et al. (2000)
RUC	Suberic acid	505-48-6	99			100				Blair et al. (2000)
GST-aERdef	Tamoxifen	10540-29-1		0.03	0.003			10	1.000	Mathews et al. (2000)
GST-cERdef	Tamoxifen	10540-29-1		0.021	0.001			16	1.204	Mathews et al. (2000)
GST-hER def	Tamoxifen	10540-29-1		0.028	0.004			11	1.041	Mathews et al. (2000)
GST-mER def	Tamoxifen	10540-29-1		0.026	0.001			10	1.000	Mathews et al. (2000)
GST-rtERdef	Tamoxifen	10540-29-1		0.013	0.001			25	1.398	Mathews et al. (2000)
hER	Tamoxifen	10540-29-1					0.0034	7	0.845	Kuiper et al. (1997)
hER	Tamoxifen	10540-29-1						4	0.602	Kuiper et al. (1998) [method a]
hER	Tamoxifen	10540-29-1		0.17				2.94	0.47	Morito et al. (2001)
hER -FP	Tamoxifen	10540-29-1		0.423				3.1	0.491	Bolger et al. (1998)
hER -FP	Tamoxifen	10540-29-1		0.189				2.96	0.471	Parker et al. (2000)
hER	Tamoxifen	10540-29-1						3	0.477	Kuiper et al. (1998) [method a]
hER	Tamoxifen	10540-29-1		0.3				1.67	0.22	Morito et al. (2001)
MUC	Tamoxifen	10540-29-1	99	0.0275				6.55	0.816	Shelby et al. (1996)
RBC	Tamoxifen	10540-29-1	96	0.12				0.017	-1.770	Andersen et al. (1999)
rER	Tamoxifen	10540-29-1					0.0025	6	0.778	Kuiper et al. (1997)
RUC	Tamoxifen	10540-29-1						5.9	0.771	Acton et al. (1983)
RUC	Tamoxifen	10540-29-1		6				0.13	-0.523	Allen et al. (1980)
RUC	Tamoxifen	10540-29-1		0.063				0.3	-0.523	Liu et al. (1994)
RUC	Tamoxifen	10540-29-1						6	0.778	Qian and Abul-Hajj (1990)
MCF-7 cells	Tamoxifen	10540-29-1						0.06	-1.222	Stoessel and Leclercq (1986)
MCF-7 cytosol	Tamoxifen	10540-29-1						1	0.000	Stoessel and Leclercq (1986)
RUC	Tamoxifen citrate	54965-24-1		0.0555	0.0005			1.62	0.210	Blair et al. (2000)

## Data Sorted by Substance and Assay

Assay Type*	Substance	CASRN†	Purity (%)††	IC <sub>50</sub> (μM)**	SD of IC <sub>50</sub> **	HDT (μM)	Ki (μM)**	RBA***	log RBA***	Reference
RUC	Taxifolin	480-18-2				100				Fang et al. (2001)
hER	Testosterone	58-22-0				100				Kuiper et al. (1997)
hER	Testosterone	58-22-0				10				Kuiper et al. (1998) [method a]
hER -FP	Testosterone	58-22-0		35	0.5			0.04	-1.398	Nikov et al. (2000)
hER	Testosterone	58-22-0				10				Kuiper et al. (1998) [method a]
MUC	Testosterone	58-22-0				10				Korach (1979)
RBC	Testosterone	58-22-0	100			100				Andersen et al. (1999)
rER	Testosterone	58-22-0				100				Kuiper et al. (1997)
RUC	Testosterone	58-22-0	98			1000				Blair et al. (2000)
RUC	Testosterone	58-22-0					28.97	0.01	-2.000	Waller et al. (1996)
GST-aERdef	2,2',3,3'-Tetrachlorobiphenyl	3844-93-8				10				Mathews and Zacharewski (2000)
GST-hER def	2,2',3,3'-Tetrachlorobiphenyl	3844-93-8				10				Mathews and Zacharewski (2000)
GST-rtERdef	2,2',3,3'-Tetrachlorobiphenyl	3844-93-8				10				Mathews and Zacharewski (2000)
GST-aERdef	2,2',3,4'-Tetrachlorobiphenyl	52663-59-9				10				Mathews and Zacharewski (2000)
GST-hER def	2,2',3,4'-Tetrachlorobiphenyl	52663-59-9				10				Mathews and Zacharewski (2000)
GST-rtERdef	2,2',3,4'-Tetrachlorobiphenyl	52663-59-9		10				0.024	-1.620	Mathews and Zacharewski (2000)
GST-aERdef	2,2',3,6'-Tetrachlorobiphenyl	41464-47-5				10				Mathews and Zacharewski (2000)
GST-hER def	2,2',3,6'-Tetrachlorobiphenyl	41464-47-5				10				Mathews and Zacharewski (2000)
GST-rtERdef	2,2',3,6'-Tetrachlorobiphenyl	41464-47-5		10				0.031	-1.509	Mathews and Zacharewski (2000)
RUC	2,2',4,4'-Tetrachlorobiphenyl	2437-79-8	98.4			100				Blair et al. (2000)
GST-aERdef	2,2',4,4'-Tetrachlorobiphenyl	2437-79-8				10				Mathews and Zacharewski (2000)
GST-hER def	2,2',4,4'-Tetrachlorobiphenyl	2437-79-8				10			n.a	Mathews and Zacharewski (2000)
GST-rtERdef	2,2',4,4'-Tetrachlorobiphenyl	2437-79-8		10				0.031	-1.509	Mathews and Zacharewski (2000)
GST-aERdef	2,2',4,5'-Tetrachlorobiphenyl	41464-40-8				10				Mathews and Zacharewski (2000)
GST-hER def	2,2',4,5'-Tetrachlorobiphenyl	41464-40-8				10				Mathews and Zacharewski (2000)
GST-rtERdef	2,2',4,5'-Tetrachlorobiphenyl	41464-40-8				10				Mathews and Zacharewski (2000)
GST-aERdef	2,2',4,6'-Tetrachlorobiphenyl	68194-04-7				10				Mathews and Zacharewski (2000)
GST-hER def	2,2',4,6'-Tetrachlorobiphenyl	68194-04-7				10				Mathews and Zacharewski (2000)
GST-rtERdef	2,2',4,6'-Tetrachlorobiphenyl	68194-04-7		10				0.031	-1.509	Mathews and Zacharewski (2000)
hER	2,2',5,5'-Tetrachlorobiphenyl	35693-99-3	≥ 99%			50				Vakharia and Gierthy (2000)
GST-aERdef	2,2',6,6'-Tetrachlorobiphenyl	15968-05-5				10				Mathews and Zacharewski (2000)
GST-hER def	2,2',6,6'-Tetrachlorobiphenyl	15968-05-5				10			n.a	Mathews and Zacharewski (2000)
GST-rtERdef	2,2',6,6'-Tetrachlorobiphenyl	15968-05-5		10				0.031	-1.509	Mathews and Zacharewski (2000)
hER	2,2',6,6'-Tetrachlorobiphenyl	15968-05-5	≥ 99			100				Arcaro et al. (1999)
hER	2,2',6,6'-Tetrachlorobiphenyl	15968-05-5	≥ 99%			50				Vakharia and Gierthy (2000)
hER	2,2',6,6'-Tetrachlorobiphenyl	15968-05-5	≥ 99			100				Arcaro et al. (1999)
GST-aERdef	2,3,3',5'-Tetrachlorobiphenyl	41464-49-7				10				Mathews and Zacharewski (2000)
GST-hER def	2,3,3',5'-Tetrachlorobiphenyl	41464-49-7				10				Mathews and Zacharewski (2000)
GST-rtERdef	2,3,3',5'-Tetrachlorobiphenyl	41464-49-7				10				Mathews and Zacharewski (2000)
GST-aERdef	2,3,4,4'-Tetrachlorobiphenyl	33025-41-1				10				Mathews and Zacharewski (2000)
GST-hER def	2,3,4,4'-Tetrachlorobiphenyl	33025-41-1				10				Mathews and Zacharewski (2000)
GST-rtERdef	2,3,4,4'-Tetrachlorobiphenyl	33025-41-1				10				Mathews and Zacharewski (2000)
GST-aERdef	2,3',4',5'-Tetrachlorobiphenyl	32598-11-1				10				Mathews and Zacharewski (2000)
GST-hER def	2,3',4',5'-Tetrachlorobiphenyl	32598-11-1				10				Mathews and Zacharewski (2000)
GST-rtERdef	2,3',4',5'-Tetrachlorobiphenyl	32598-11-1				10				Mathews and Zacharewski (2000)
GST-aERdef	2,3',4,5'-Tetrachlorobiphenyl	73575-52-7				10				Mathews and Zacharewski (2000)
GST-hER def	2,3',4,5'-Tetrachlorobiphenyl	73575-52-7				10				Mathews and Zacharewski (2000)
GST-rtERdef	2,3',4,5'-Tetrachlorobiphenyl	73575-52-7				10				Mathews and Zacharewski (2000)
GST-aERdef	2,4,4',5'-Tetrachlorobiphenyl	32690-93-0				10				Mathews and Zacharewski (2000)

## Data Sorted by Substance and Assay

Assay Type*	Substance	CASRN†	Purity (%)††	IC <sub>50</sub> (μM)**	SD of IC <sub>50</sub> **	HDT (μM)	Ki (μM)**	RBA***	log RBA***	Reference
GST-hER def	2,4,4',5-Tetrachlorobiphenyl	32690-93-0				10				Mathews and Zacharewski (2000)
GST-rtERdef	2,4,4',5-Tetrachlorobiphenyl	32690-93-0				10				Mathews and Zacharewski (2000)
hER	3,3',4,4'-Tetrachlorobiphenyl	32598-13-3	≥ 99%			50				Vakharia and Gierthy (2000)
GST-aERdef	3,3',4,4'-Tetrachlorobiphenyl	32598-13-3				10				Mathews and Zacharewski (2000)
GST-hER def	3,3',4,4'-Tetrachlorobiphenyl	32598-13-3				10				Mathews and Zacharewski (2000)
GST-rtERdef	3,3',4,4'-Tetrachlorobiphenyl	32598-13-3				10				Mathews and Zacharewski (2000)
RUC	3,3',4,4'-Tetrachlorobiphenyl	32598-13-3	99			300				Blair et al. (2000)
GST-aERdef	3,3',4,5-Tetrachlorobiphenyl	70362-49-1				10				Mathews and Zacharewski (2000)
GST-hER def	3,3',4,5-Tetrachlorobiphenyl	70362-49-1				10				Mathews and Zacharewski (2000)
GST-rtERdef	3,3',4,5-Tetrachlorobiphenyl	70362-49-1				10				Mathews and Zacharewski (2000)
MUC	2',3',5',6'-Tetrachloro-4,4'-biphenyldiol	100702-98-5	> 98	5.0				0.020	-1.699	Korach et al. (1988)
MUC	3,3',5,5'-Tetrachloro-4,4'-biphenyldiol	13049-13-3	> 98	1.354				0.074	-1.130	Korach et al. (1988)
MUC	3,3',5,5'-Tetrachloro-4,4'-biphenyldiol	13049-13-3					1.95	0.13	-0.880	Waller et al. (1996)
MCF-7 cytosol	3,3',5,5'-Tetrachloro-4,4'-biphenyldiol	13049-13-3	> 95	3.7	0.3			0.4	-0.398	Kramer et al. (1997)
RUC	3,3',5,5'-Tetrachloro-4,4'-biphenyldiol	13049-13-3	95	160	10			0.001	-3.250	Blair et al. (2000)
hER	2,2',4',6'-Tetrachloro-4-biphenylol	150304-08-8	> 98					0.3	-0.523	Kuiper et al. (1998) [method a]
hER	2,2',4',6'-Tetrachloro-4-biphenylol	150304-08-8	> 98					0.5	-0.301	Kuiper et al. (1998) [method a]
MUC	2,2',4',6'-Tetrachloro-4-biphenylol	150304-08-8	> 98	12				0.018	-1.740	Connor et al. (1997)
RUC	2,2',4',6'-Tetrachloro-4-biphenylol	150304-08-8	> 98	2700				0.00053	-3.275	Connor et al. (1997)
hER	2,2',6,6'-Tetrachloro-4-biphenylol	219952-18-8		0.2				0.3	-0.520	Arcaro et al. (1999)
hER	2,2',6,6'-Tetrachloro-4-biphenylol	219952-18-8		0.2				0.3	-0.520	Arcaro et al. (1999)
hER	2,2',6,6'-Tetrachloro-4-biphenylol	219952-18-8		1.995				0.25	-0.600	Arcaro et al. (1999)
hER	2,2',6,6'-Tetrachloro-4-biphenylol	219952-18-8		1.995				0.25	-0.600	Arcaro et al. (1999)
GST-aERdef	2,2',6,6'-Tetrachloro-4-biphenylol	219952-18-8		0.5	0.2			0.50	-0.301	Mathews and Zacharewski (2000)
GST-hER def	2,2',6,6'-Tetrachloro-4-biphenylol	219952-18-8		0.5	0.02			0.48	-0.319	Mathews and Zacharewski (2000)
GST-rtERdef	2,2',6,6'-Tetrachloro-4-biphenylol	219952-18-8		0.3	0.1			1.03	0.013	Mathews and Zacharewski (2000)
hER	2,2',6,6'-tetrachloro-4-biphenylol	219952-18-8	95 - 99	0.5				0.20	-0.700	Vakharia and Gierthy (2000)
MCF-7 cytosol	2',3',4',5'-Tetrachloro-3-biphenylol	67651-37-0	> 95	4.3	0.7			0.1	-1.000	Kramer et al. (1997)
GST-aERdef	2',3',4',5'-Tetrachloro-4-biphenylol	67651-34-7		0.5	0.2			0.50	-0.301	Mathews and Zacharewski (2000)
hER	2',3',4',5'-Tetrachloro-4-biphenylol	67651-34-7	> 98					3.4	0.531	Kuiper et al. (1998) [method a]
hER	2',3',4',5'-Tetrachloro-4-biphenylol	67651-34-7	> 98					7.2	0.857	Kuiper et al. (1998) [method a]
MUC	2',3',4',5'-Tetrachloro-4-biphenylol	67651-34-7	> 98	0.0950				1.05	0.021	Korach et al. (1988)
MUC	2',3',4',5'-Tetrachloro-4-biphenylol	67651-34-7	> 98	0.990				1.11	0.046	Ramamoorthy et al. (1997b)
MUC	2',3',4',5'-Tetrachloro-4-biphenylol	67651-34-7					0.0452	5.75	0.760	Waller et al. (1996)
MCF-7 cytosol	2',3',4',5'-Tetrachloro-4-biphenylol	67651-34-7	> 95	2.8	0.6			3.2	0.505	Kramer et al. (1997)
GST-hER def	2',3',4',5'-Tetrachloro-4-biphenylol	67651-34-7		0.1	0.02			2.4	0.380	Mathews and Zacharewski (2000)
GST-rtERdef	2',3',4',5'-Tetrachloro-4-biphenylol	67651-34-7		0.27	0.02			1.15	0.061	Mathews and Zacharewski (2000)
RUC	2',3',4',5'-Tetrachloro-4-biphenylol	67651-34-7	95	0.395	0.015			0.23	-0.640	Blair et al. (2000)
hER	2',3,4',6'-Tetrachloro-4-biphenylol	189578-00-5	> 98					0.18	-0.745	Kuiper et al. (1998) [method a]
hER	2',3,4',6'-Tetrachloro-4-biphenylol	189578-00-5	> 98					0.23	-0.638	Kuiper et al. (1998) [method a]
MUC	2',3,4',6'-Tetrachloro-4-biphenylol	189578-00-5	> 98			1000				Connor et al. (1997)
RUC	2',3,4',6'-Tetrachloro-4-biphenylol	189578-00-5	> 98			1000				Connor et al. (1997)
MCF-7 cells	2,3,7,8-Tetrachlorodibenzo-p-dioxin	1746-01-6				5				Arcaro et al. (1999)
hER	Tetrahydrochrysene	104460-72-2						3	0.477	Meyers et al. (1999)
hER	Tetrahydrochrysene	104460-72-2						6.5	0.813	Meyers et al. (1999)
hER	(rac)-Tetrahydrochrysene						0.0036	25	1.398	Sun et al. (1999)
hER	(rac)-Tetrahydrochrysene						0.013	2.5	0.398	Sun et al. (1999)
hER	(R,R)-Tetrahydrochrysene						0.009	3.6	0.556	Sun et al. (1999)
hER	(R,R)-Tetrahydrochrysene						0.0036	25	1.398	Sun et al. (1999)



## Data Sorted by Substance and Assay

Assay Type*	Substance	CASRN†	Purity (%)††	IC <sub>50</sub> (μM)**	SD of IC <sub>50</sub> **	HDT (μM)	Ki (μM)**	RBA***	log RBA***	Reference
hER	(S,S)-Tetrahydrochrysene						0.039	0.83	-0.081	Sun et al. (1999)
hER	(S,S)-Tetrahydrochrysene						0.07	1.3	0.114	Sun et al. (1999)
RUC	2,2',4,4'-Tetrahydroxybenzil	5394-98-9		0.43	0			0.209	-0.680	Blair et al. (2000)
MCF-7 cells	Tetramethylhexestrol	74385-27-6						2	0.301	Stoessel and Leclercq (1986)
MCF-7 cytosol	Tetramethylhexestrol	74385-27-6						1.5	0.176	Stoessel and Leclercq (1986)
RUC	Thalidomide	50-35-1	99			1000				Blair et al. (2000)
RUC	Toremifene citrate	89778-27-8		0.065	0.005			1.38	0.140	Blair et al. (2000)
RUC	Tosyl Nonylphenol (mixed branched isomers)			80				0.006	-2.204	Elsby et al. (2000)
hER	Toxaphene	8001-35-2	95 - 99			10				Arcaro et al. (2000)
MCF-7 cytosol	Toxaphene	8001-35-2	Technical grade	470	38			0.00032	-3.495	Soto et al. (1995)
MUC	Toxaphene	8001-35-2	Technical grade			10				Ramamoorthy et al. (1997a)
hER	Triaryl-pyrazole						0.00054	60	1.778	Sun et al. (1999)
hER	Triaryl-pyrazole						0.0051	18	1.255	Sun et al. (1999)
GST-aERdef	2,2',5-Trichlorobiphenyl	37680-65-2				10				Matthews and Zacharewski (2000)
GST-hER def	2,2',5-Trichlorobiphenyl	37680-65-2				10				Matthews and Zacharewski (2000)
GST-rtERdef	2,2',5-Trichlorobiphenyl	37680-65-2				10				Matthews and Zacharewski (2000)
hER	2,4,6-Trichlorobiphenyl	35693-92-6	≥ 99%			100				Vakharia and Gierthy (1999)
hER	2',4',6'-Trichloro-4-biphenylol	14962-28-8	> 98					2.4	0.380	Kuiper et al. (1998) [method a]
hER	2',4',6'-Trichloro-4-biphenylol	14962-28-8	> 98					4.7	0.672	Kuiper et al. (1998) [method a]
MUC	2',4',6'-Trichloro-4-biphenylol	14962-28-8					0.048	5.37	0.730	Waller et al. (1996)
hER	2',4',6'-Trichloro-4-biphenylol	14962-28-8	≥ 99%	0.079				0.75	-0.127	Vakharia and Gierthy (1999)
MCF-7 cytosol	2',4',6'-Trichloro-4-biphenylol	14962-28-8	> 95	2.5	1.2			6.3	0.799	Kramer et al. (1997)
MUC	2',4',6'-Trichloro-4-biphenylol	14962-28-8	> 98	0.0420				2.38	0.377	Korach et al. (1988)
MUC	2',4',6'-Trichloro-4-biphenylol	14962-28-8	> 98	3.4				0.32	-0.490	Ramamoorthy et al. (1997b)
MCF-7 cytosol	3,3',4-Trichloro-4-biphenylol	124882-64-0	> 95	3.8	0.1			0.3	-0.523	Kramer et al. (1997)
MUC	3,4',5-Trichloro-4-biphenylol	4400-06-0	> 98	1.0000				0.10	-1.000	Korach et al. (1988)
RUC	2,4,5-Trichlorophenoxyacetic acid	93-76-5	98			1000				Blair et al. (2000)
RBC	Triethylamine, 2-[p-[6-methoxy-2-phenyl-3-inden-3-yl]phenoxy] hydrochloride	64-96-0						0.00059	-3.229	Korenman (1970)
hER -FP	Triethylene glycol dimethacrylate	109-16-0	95			5000				Hashimoto et al. (2000)
RUC	4,2',4'-Trihydroxychalcone	961-29-5						0.054	-1.270	Fang et al. (2001)
RUC	3,6,4'-Trihydroxyflavone	253195-19-6						0.45	-0.350	Fang et al. (2001)
RUC	6,7,4'-Trihydroxyisoflavone	17817-31-1				100				Fang et al. (2001)
RUC	7,3,4'-Trihydroxyisoflavone	485-63-2						0.0045	-2.350	Fang et al. (2001)
RUC	1,1,2-Triphenylbut-1-ene	63019-13-6						0.01	-2.000	Jordan et al. (1986)
RUC	Triphenylethylene	58-72-0	99	54.5	5.5			0.002	-2.780	Blair et al. (2000)
RUC	Triphenyl phosphate	115-86-6	99			100				Blair et al. (2000)
MCF-7 cells	Tris-4-(chlorophenyl)methane	27575-78-6	94	0.4				0.1	-1.00	Lascombe et al. (2000)
MCF-7 cells	Tris-4-(chlorophenyl)methanol	30100-80-8	94	0.4				0.1	-1.00	Lascombe et al. (2000)
RUC	Vanillin	121-33-5	99			100				Blair et al. (2000)
RUC	Vinclozolin	50471-44-8	98.2			100				Blair et al. (2000)
RUC	Vinclozolin	50471-44-8					1000	0.0003	-3.523	Waller et al. (1996)
RUC	-Zearalanol	26538-44-3						30	1.480	Fang et al. (2001)
hER	-Zearalanol	42422-68-4					0.0008	16	1.200	Kuiper et al. (1997)
rER	-Zearalanol	42422-68-4					0.0009	14	1.146	Kuiper et al. (1997)
RUC	-Zearalanol	42422-68-4						0.64	-0.190	Fang et al. (2001)
RUC	Zearalanone	5975-78-0						2.1	0.320	Fang et al. (2001)
RUC	-Zearalenol	36455-72-8						43	1.630	Fang et al. (2001)
GST-aERdef	-Zearalenol	36455-72-8		0.0086	0.0021			36	1.556	Matthews et al. (2000)

## Data Sorted by Substance and Assay

Assay Type*	Substance	CASRN†	Purity (%)††	IC <sub>50</sub> (µM)**	SD of IC <sub>50</sub> **	HDT (µM)	Ki (µM)**	RBA***	log RBA***	Reference
GST-cERdef	-Zearalenol	36455-72-8		0.0046	0.0009			70	1.845	Mathews et al. (2000)
GST-hER def	-Zearalenol	36455-72-8		0.0061	0.0002			48	1.681	Mathews et al. (2000)
GST-mER def	-Zearalenol	36455-72-8		0.0051	0.0005			53	1.724	Mathews et al. (2000)
GST-rtERdef	-Zearalenol	36455-72-8		0.0013	0.0001			267	2.427	Mathews et al. (2000)
RUC	-Zearalenol	71030-11-0						0.2	-0.700	Fang et al. (2001)
GST-aERdef	-Zearalenol	71030-11-0		0.073	0.018			4.2	0.623	Mathews et al. (2000)
GST-cERdef	-Zearalenol	71030-11-0		0.014	0.001			23	1.362	Mathews et al. (2000)
GST-hER def	-Zearalenol	71030-11-0		0.023	0.003			13	1.114	Mathews et al. (2000)
GST-mER def	-Zearalenol	71030-11-0		0.024	0.016			11	1.041	Mathews et al. (2000)
GST-rtERdef	-Zearalenol	71030-11-0		0.0037	0.0003			91	1.959	Mathews et al. (2000)
GST-aERdef	Zearalenone	17924-92-4		0.027	0.003			12	1.079	Mathews et al. (2000)
GST-cERdef	Zearalenone	17924-92-4		0.0099	0.0011			33	1.519	Mathews et al. (2000)
GST-hER def	Zearalenone	17924-92-4		0.031	0.003			9.3	0.968	Mathews et al. (2000)
GST-mER def	Zearalenone	17924-92-4		0.023	0.005			12	1.079	Mathews et al. (2000)
GST-rtERdef	Zearalenone	17924-92-4		0.0041	0.0008			82	1.914	Mathews et al. (2000)
hER	Zearalenone	17924-92-4						7	0.845	Kuiper et al. (1998) [method a]
hER	Zearalenone	17924-92-4		0.009				10	1.000	Kuiper et al. (1998) [method b]
hER -FP	Zearalenone	17924-92-4		0.059	0.0008			22	1.342	Nikov et al. (2000)
hER	Zearalenone	17924-92-4						5	0.699	Kuiper et al. (1998) [method a]
hER	Zearalenone	17924-92-4		0.0058				18	1.255	Kuiper et al. (1998) [method b]
MCF-7 cytosol	Zearalenone	17924-92-4		<i>0.007</i>				18	1.255	Dodge et al. (1996)
RUC	Zearalenone	17924-92-4					0.0059	44.07	1.644	Waller et al. (1996)

‡Numbers in italics were estimated from a graphical representation of the data.

\*GST-aERdef = glutathione-S-transferase fusion proteins consisting of the "def" domain of the lizard (anole); GST-cERdef = glutathione-S-transferase fusion proteins consisting of the "def" domain of the chicken; GST-hER def = glutathione-S-transferase fusion proteins consisting of the "def" domain of the human ER receptor; GST-mER def = glutathione-S-transferase fusion proteins consisting of the "def" domain of the mouse ER receptor; GST-rtERdef = glutathione-S-transferase fusion proteins consisting of the "def" domain of the rainbow trout; hER = semi-purified human ER protein; hER -FP = semi-purified human ER measured using fluorescence polarization; hER = semi-purified human ER protein; MCF-7 cells = intact MCF-7 cells; MCF-7 cytosol = cytosol from human adenocarcinoma cells; MUC = mouse uterine cytosol; RBC = rabbit uterine cytosol; rER = semi-purified rat ER protein; RUC = rat uterine cytosol. HDT = highest dose tested; IC<sub>50</sub> = concentration of the test substance that induces a 50% decrease in binding by the reference estrogen; Ki = dissociation constant of a receptor-ligand complex; RBA = relative binding affinity = (IC<sub>50</sub> test substance/IC<sub>50</sub> reference estrogen) x100; SD = standard deviation.

\*\*Empty cells indicate that an IC<sub>50</sub> or K<sub>i</sub> could not be obtained, in which case the HDT was reported, or that the IC<sub>50</sub> or K<sub>i</sub> was not reported but instead the RBA was reported.

\*\*\* Empty cells indicate that an RBA was not provided or could not be calculated because an IC<sub>50</sub> or K<sub>i</sub> could not be obtained. Thus no log RBA could be determined.

† Empty cells indicate that no CASRN could be found.

†† Empty cells indicate that no information was provided in the publication.