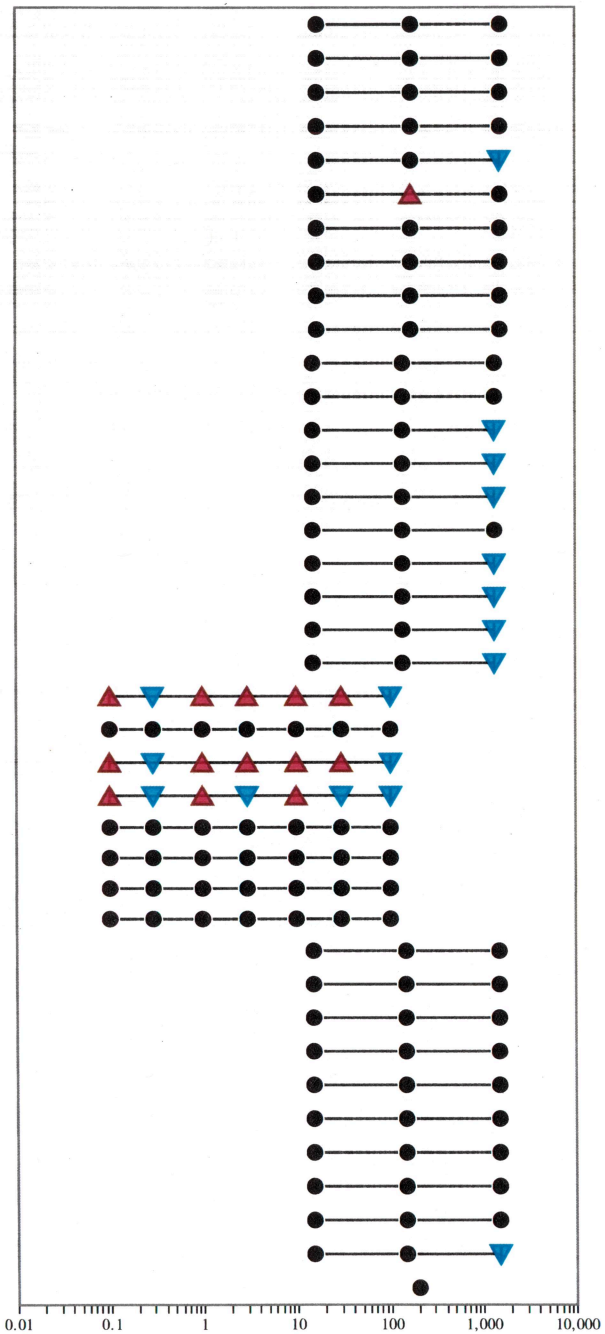
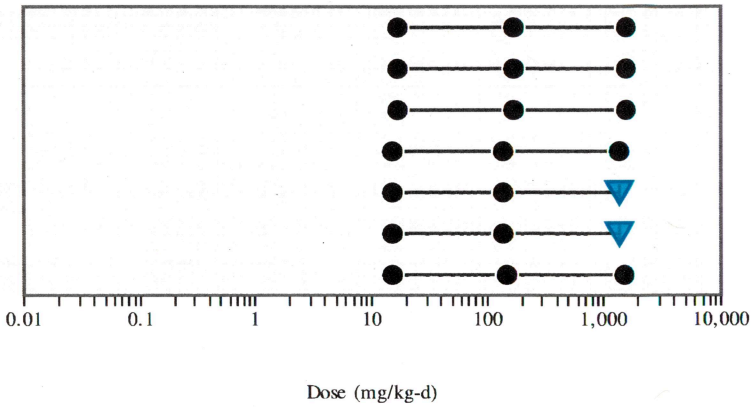
Endpoint	Study	Species	Gen	Sex	Exposure	Observation	Other Info
Pup weight	Ema et al. 2008	Rat	F1	Male	Continuous	0.0 post-natal day	
						4.0 post-natal day	
						7.0 post-natal day	
						14.0 post-natal day	
						21.0 post-natal day	
				Female	Continuous	0.0 post-natal day	
						4.0 post-natal day	
						7.0 post-natal day	
						14.0 post-natal day	
						21.0 post-natal day	
			F2	Male	Continuous	0.0 post-natal day	
						4.0 post-natal day	
						7.0 post-natal day	
						14.0 post-natal day	
						21.0 post-natal day	
				Female	Continuous	0.0 post-natal day	
						4.0 post-natal day	
						7.0 post-natal day	
						14.0 post-natal day	
						21.0 post-natal day	
	van der Ven et al. 2009	Rat	F1	Male	Continuous	4.0 post-natal day	
						7.0 post-natal day	
						14.0 post-natal day	
						21.0 post-natal day	
				Female	Continuous	None not reported	
	Hachisuka et al. 2010	Rat	F1	Male	GD 10 - PND 20	3.0 weeks	
						11.0 weeks	
	Saegusa et al. 2009	Rat	F1	Male	GD 10 - PND 20	1.0 post-natal day	
						11.0 weeks	
						20.0 post-natal day	
						40.0 post-natal day	at puberty onset
				Female	GD 10 - PND 20	1.0 post-natal day	
						11.0 weeks	
						20.0 post-natal day	
						40.0 post-natal day	at puberty onset
	Maranghi et al. 2013	Mouse		Female	PND 26-54	54.0 post-natal day	Body weight gain



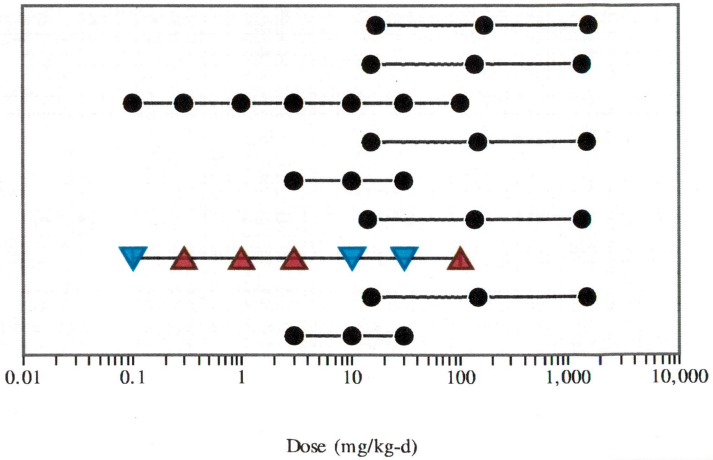
No significant effect
Significant increase
Significant decrease
No dose response
Significant dose response

Endpoint	Study	Species	Gen	Sex	Exposure	Observation	Other Info
Viability index	Ema et al. 2008	Rat	F1	Combined	Continuous	0.0 post-natal day	
						4.0 post-natal day	
						21.0 post-natal day	
			F2	Combined	Continuous	0.0 post-natal day	
						4.0 post-natal day	
						21.0 post-natal day	
Number of live pups	Saegusa et al. 2009	Rat	F1	Combined	GD 10 - PND 20	1.0 post-natal day	



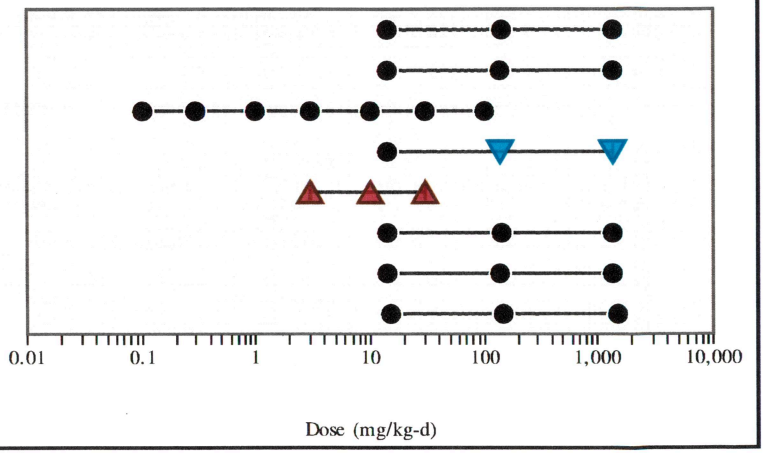
No significant effect
Significant increase
Significant decrease
No dose response
Significant dose response

Endpoint	Study	Species	Gen	Sex	Exposure	Observation	Other Info
AGD	Ema et al. 2008	Rat	F1	Female	Continuous	4.0 post-natal day	
			F2	Female	Continuous	None not reported	
	van der Ven et al. 2009	Rat	F1	Female	Continuous	None not reported	
	Saegusa et al. 2009	Rat	F1	Female	GD 10 - PND 20	1.0 post-natal day	
	Miller-Rhodes et al. 2014	Rat	F1	Female	Gestation	21.0 post-natal day	Qualitative results
Time to vaginal opening	Ema et al. 2008	Rat	F1	Female	Continuous	None not reported	
	van der Ven et al. 2009	Rat	F1	Female	Continuous	None not reported	
	Saegusa et al. 2009	Rat	F1	Female	GD 10 - PND 20	None not reported	
	Miller-Rhodes et al. 2014	Rat	F1	Female	Gestation	None not reported	Qualitative results



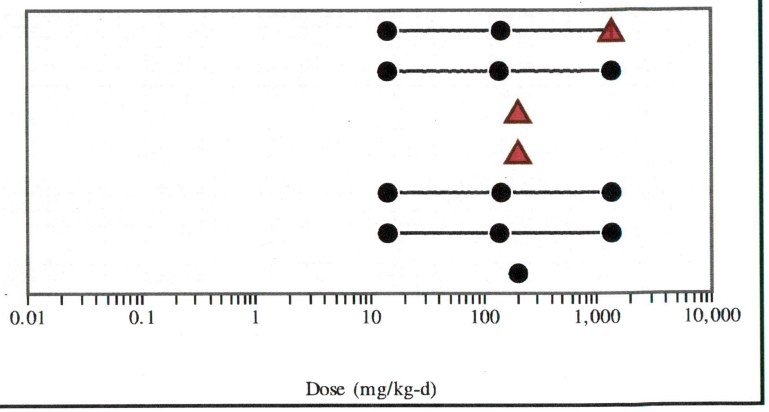
No significant effect
Significant increase
Significant decrease
No dose response
Significant dose response

Endpoint	Study	Species	Gen	Sex	Exposure	Observation	Other info
Pregnancy incidence	Ema et al. 2008	Rat	P0	Female	Adult	None not reported	
			F1	Female	Continuous	None not reported	
	van der Ven et al. 2009	Rat	P0	Female	Adult	14.0 days	
Primordial follicles	Ema et al. 2008	Rat	F1	Female	Continuous	None not reported	
Gestation length	Miller-Rhodes et al. 2014	Rat	P0	Female	Adult	None not reported	
Other pregnancy outcomes	Ema et al. 2008	Rat	P0	Female	Adult	None not reported	
			F1	Female	Continuous	None not reported	
	Saegusa et al. 2009	Rat	P0	Female	Adult	None not reported	



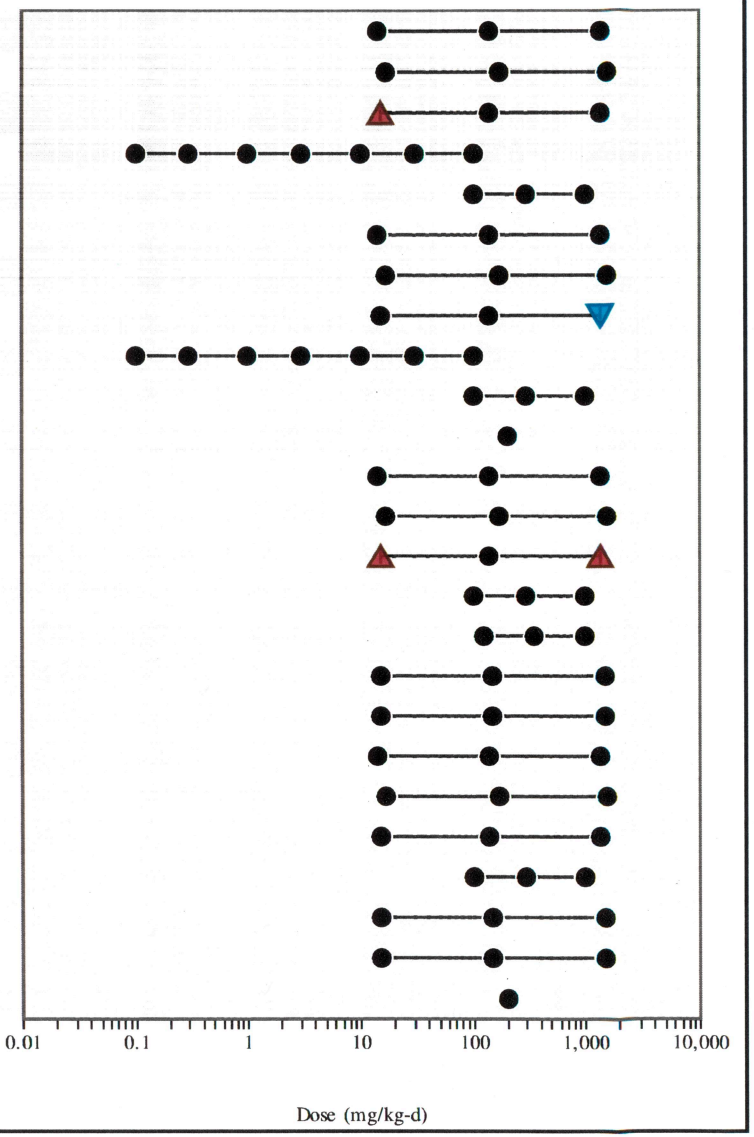
No significant effect
Significant increase
Singificant decrease
No dose response
Significant dose response

Endpoint	Study	Species	Gen	Sex	Exposure	Observation	Other Info
FSH	Ema et al. 2008	Rat	P0	Female	Adult	None not reported	
			F1	Female	Continuous	None not reported	
Testosterone	Maranghi et al. 2013	Mouse		Female	PND 26-54	54.0 post-natal day	
Testosterone/Estradiol	Maranghi et al. 2013	Mouse		Female	PND 26-54	54.0 post-natal day	
Other hormone measurements	Ema et al. 2008	Rat	P0	Female	Adult	None not reported	
			F1	Female	Continuous	None not reported	
	Maranghi et al. 2013	Mouse		Female	PND 26-54	54.0 post-natal day	



No significant effect
Significant increase
Significant decrease
No dose response
Significant dose response

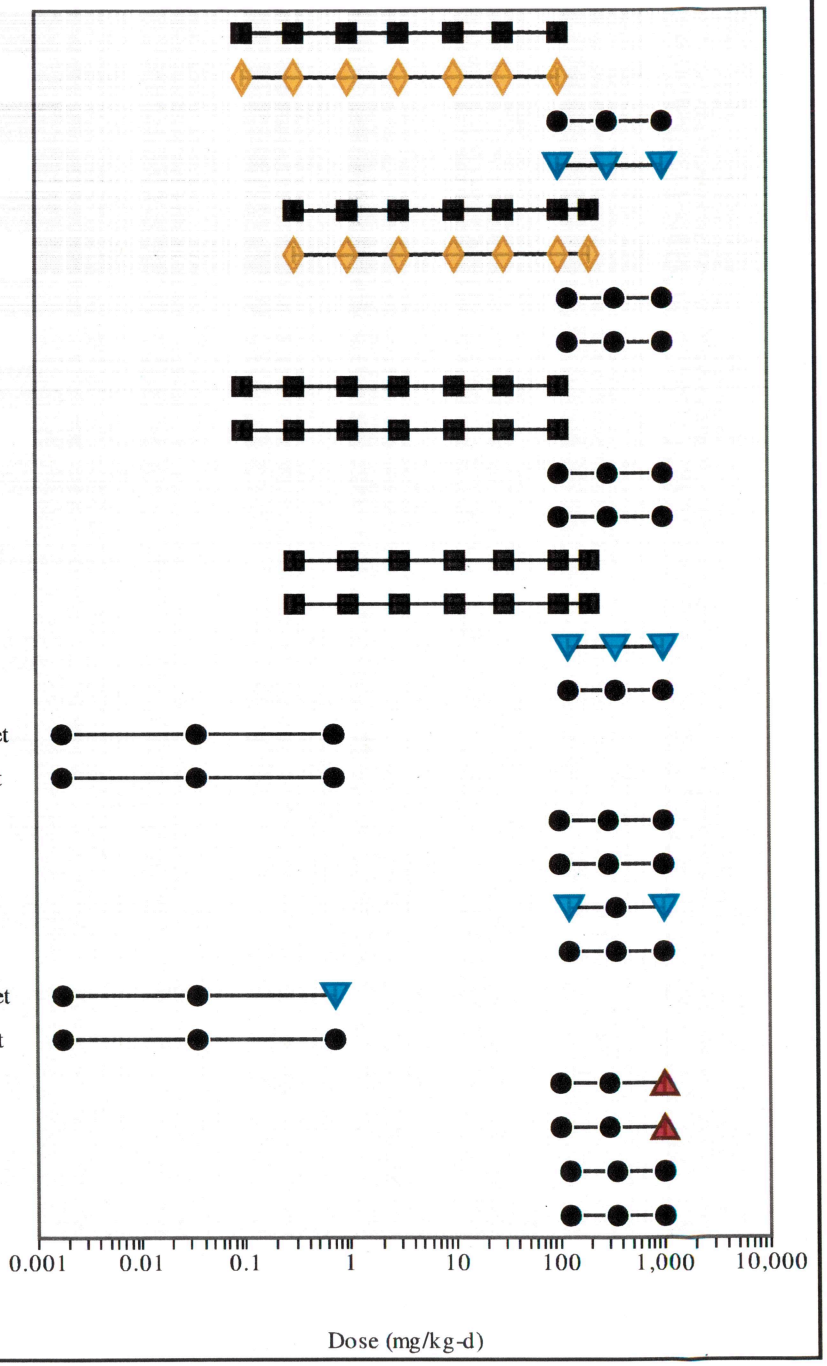
Endpoint	Study	Species	Gen	Sex	Exposure	Observation	Other Info
Absolute ovary weight	Ema et al. 2008	Rat	F1	Female	Continuous	None not reported	
						26.0 post-natal day	
			F2	Female	Continuous	26.0 post-natal day	
	van der Ven et al. 2009	Rat	F1	Female	Continuous	11.0 weeks	Left and right
	WIL 2001	Rat		Female	Adult	None not reported	Oviduct
Absolute uterus weight	Ema et al. 2008	Rat	F1	Female	Continuous	None not reported	
						26.0 post-natal day	
			F2	Female	Continuous	26.0 post-natal day	
	van der Ven et al. 2009	Rat	F1	Female	Continuous	11.0 weeks	
	WIL 2001	Rat		Female	Adult	None not reported	Cervix
	Maranghi et al. 2013	Mouse		Female	PND 26-54	54.0 post-natal day	
Relative ovary weight	Ema et al. 2008	Rat	F1	Female	Continuous	None not reported	
						26.0 post-natal day	
			F2	Female	Continuous	26.0 post-natal day	
	WIL 2001	Rat		Female	Adult	None not reported	Oviduct
	WIL 1997	Rat		Female	Adult	None not reported	Oviduct
	Saegusa et al. 2009	Rat	F1	Female	GD 10 - PND 20	20.0 post-natal day	
						11.0 weeks	
Relative uterus weight	Ema et al. 2008	Rat	F1	Female	Continuous	None not reported	
						26.0 post-natal day	
			F2	Female	Continuous	26.0 post-natal day	
	WIL 2001	Rat		Female	Adult	None not reported	Cervix
	Saegusa et al. 2009	Rat	F1	Female	GD 10 - PND 20	20.0 post-natal day	
						11.0 weeks	
	Maranghi et al. 2013	Mouse		Female	PND 26-54	54.0 post-natal day	



● No significant effect ▲ Significant increase ▼ Significant decrease

■ No dose response ◆ Significant dose response

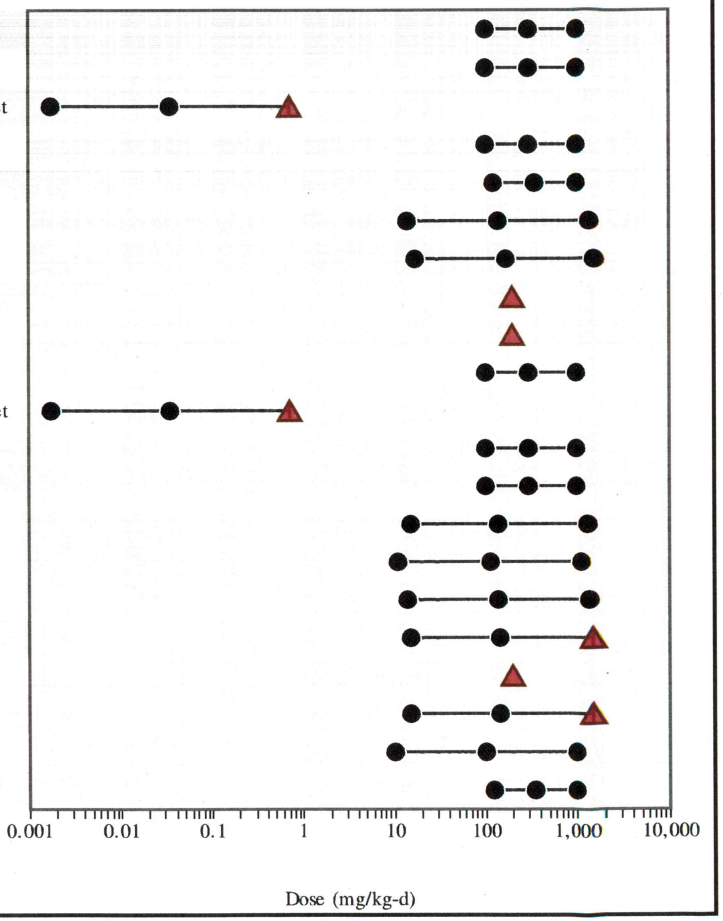
Endpoint	Study	Species	Gen	Sex	Exposure	Observation	Other Info
ALP	van der Ven et al. 2009	Rat	F1	Male	Continuous	11.0 weeks	
				Female	Continuous	11.0 weeks	
	WIL 2001	Rat		Male	Adult	None not reported	
				Female	Adult	None not reported	
	van der Ven et al. 2006	Rat		Male	Adult	None not reported	
				Female	Adult	None not reported	
	WIL 1997	Rat		Male	Adult	None not reported	
				Female	Adult	None not reported	
ALT	van der Ven et al. 2009	Rat	F1	Male	Continuous	11.0 weeks	
				Female	Continuous	11.0 weeks	
	WIL 2001	Rat		Male	Adult	None not reported	
				Female	Adult	None not reported	
	van der Ven et al. 2006	Rat		Male	Adult	None not reported	
				Female	Adult	None not reported	
	WIL 1997	Rat		Male	Adult	None not reported	
				Female	Adult	None not reported	
	Yanagisawa et al. 2014	Mouse		Male	Adult	None not reported	** Standard diet
							** High-fat diet
AST	WIL 2001	Rat		Male	Adult	None not reported	
				Female	Adult	None not reported	
	WIL 1997	Rat		Male	Adult	None not reported	
				Female	Adult	None not reported	
	Yanagisawa et al. 2014	Mouse		Male	Adult	None not reported	** Standard diet
							** High-fat diet
GGT	WIL 2001	Rat		Male	Adult	None not reported	
				Female	Adult	None not reported	
	WIL 1997	Rat		Male	Adult	None not reported	
				Female	Adult	None not reported	



● No significant effect ▲ Significant increase ▼ Significant decrease

■ No dose response ◆ Significant dose response

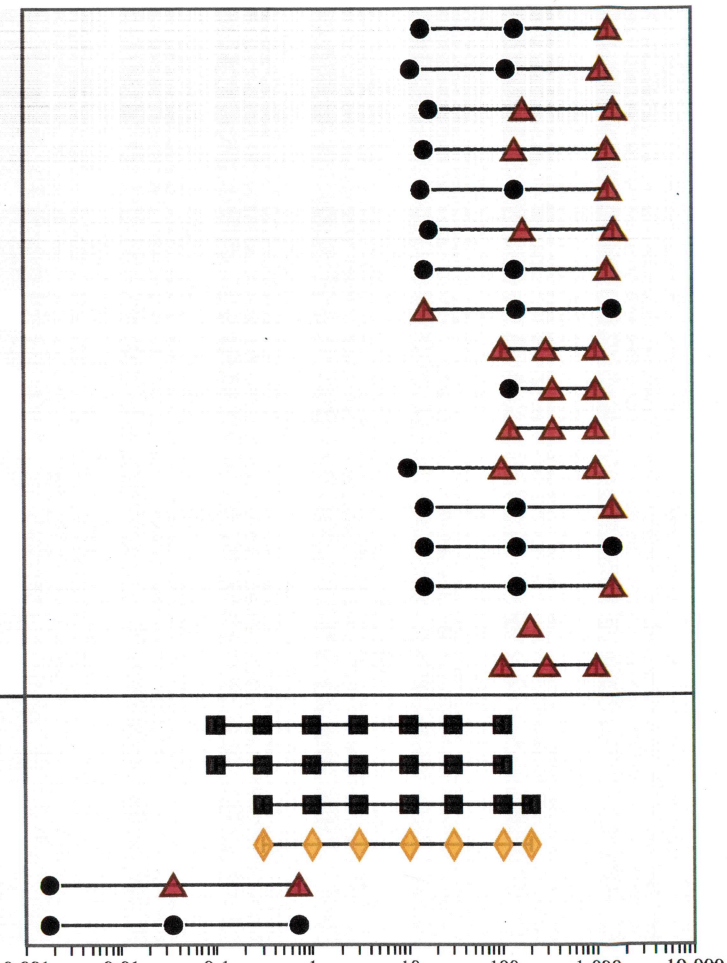
Endpoint	Study	Species	Gen	Sex	Exposure	Observation	Other Info
Hepatocellular vacuolation	WIL 2001	Rat		Female	Adult	None not reported	
Other liver histopathology	WIL 2001	Rat		Female	Adult	None not reported	
Hepatocellular hypertrophy	Yanagisawa et al. 2014	Mouse		Male	Adult	None not reported	** High-fat diet
Other liver histopathology	WIL 2001	Rat		Male	Adult	7.0 weeks	
Hepatocellular vacuolation	WIL 1997	Rat		Male	Adult	None not reported	
Other liver histopathology	Ema et al. 2008	Rat	P0	Female	Adult	None not reported	
			F1	Combined	Continuous	26.0 post-natal day	
Tissue congestion	Maranghi et al. 2013	Mouse		Female	PND 26-54	54.0 post-natal day	
Periportal lymphatic filtration	Maranghi et al. 2013	Mouse		Female	PND 26-54	54.0 post-natal day	
Hepatocellular vacuolation	WIL 2001	Rat		Male	Adult	7.0 weeks	
Microvesicular fatty changes	Yanagisawa et al. 2014	Mouse		Male	Adult	None not reported	** High-fat diet
Hepatocellular hypertrophy	WIL 2001	Rat		Male	Adult	None not reported	
				Female	Adult	None not reported	
Other liver histopathology	Ema et al. 2008	Rat	F2	Combined	Continuous	None not reported	
			F1	Male	Continuous	None not reported	
			F1	Female	Continuous	None not reported	
Hepatocellular vacuolation	Saegusa et al. 2009	Rat	F1	Female	GD 10 - PND 20	20.0 post-natal day	
	Maranghi et al. 2013	Mouse		Female	PND 26-54	54.0 post-natal day	
	Saegusa et al. 2009	Rat	F1	Male	GD 10 - PND 20	20.0 post-natal day	
Other liver histopathology	Ema et al. 2008	Rat	P0	Male	Adult	None not reported	
Hepatocellular vacuolation	WIL 1997	Rat		Female	Adult	None not reported	



● No significant effect ▲ Significant increase ▼ Significant decrease

■ No dose response ◆ Significant dose response

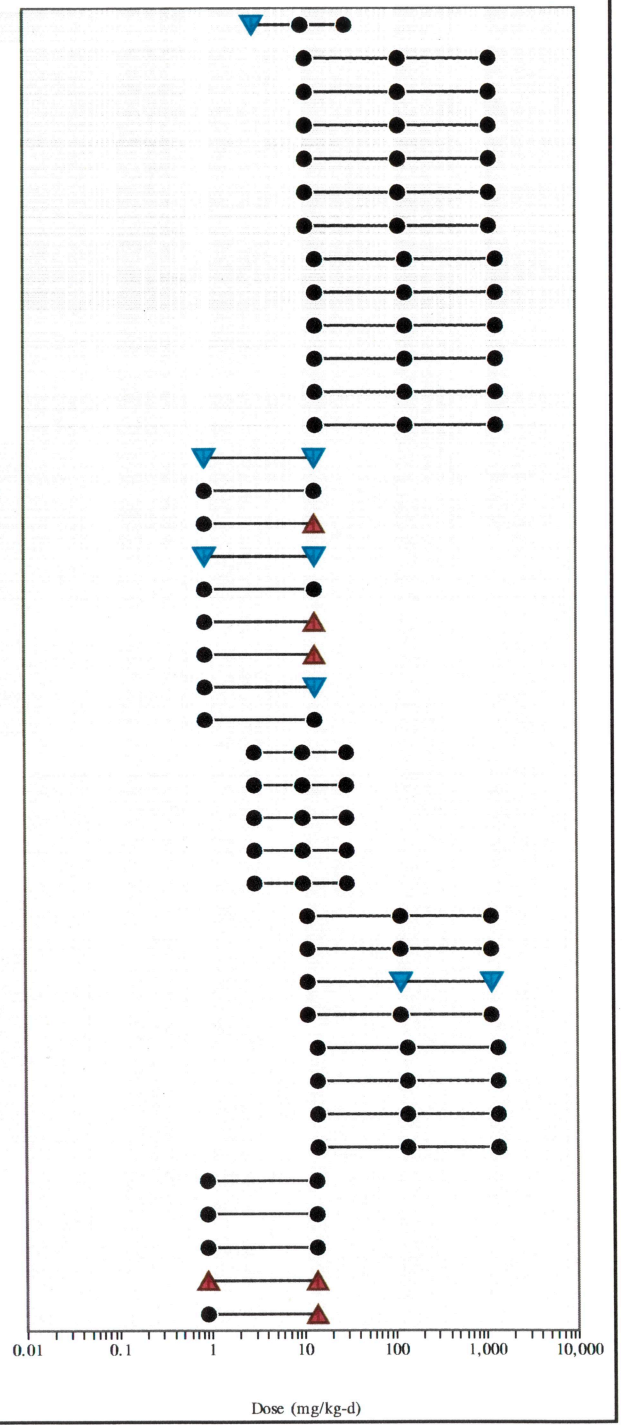
Endpoint	Study	Species	Gen	Sex	Exposure	Observation	Other Info
Relative liver weight	Ema et al. 2008	Rat	P0	Female	Adult	None not reported	
			F1	Male	Continuous	None not reported	
			F1	Female	Continuous	26.0 post-natal day	
			F2	Male	Continuous	26.0 post-natal day	
			F1	Female	Continuous	None not reported	
			F1	Male	Continuous	26.0 post-natal day	
			F2	Female	Continuous	26.0 post-natal day	
	Saegusa et al. 2009	Rat	F1	Male	GD 10 - PND 20	11.0 weeks	
	WIL 2001	Rat		Female	Adult	None not reported	
	WIL 1997	Rat		Male	Adult	None not reported	
				Female	Adult	None not reported	
	Ema et al. 2008	Rat	P0	Male	Adult	None not reported	
	Saegusa et al. 2009	Rat	F1	Female	GD 10 - PND 20	20.0 post-natal day	
			F1	Female	GD 10 - PND 20	11.0 weeks	
			F1	Male	GD 10 - PND 20	20.0 post-natal day	
	Maranghi et al. 2013	Mouse		Female	PND 26-54	54.0 post-natal day	
	WIL 2001	Rat		Male	Adult	None not reported	
Absolute liver weight	van der Ven et al. 2009	Rat	F1	Male	Continuous	11.0 weeks	
			F1	Female	Continuous	None not reported	
	van der Ven et al. 2006	Rat		Male	Adult	None not reported	
				Female	Adult	None not reported	
	Yanagisawa et al. 2014	Mouse		Male	Adult	None not reported	** High-fat diet
				Male	Adult	None not reported	** Standard diet



● No significant change ▲ Significant increase ▼ Significant decrease

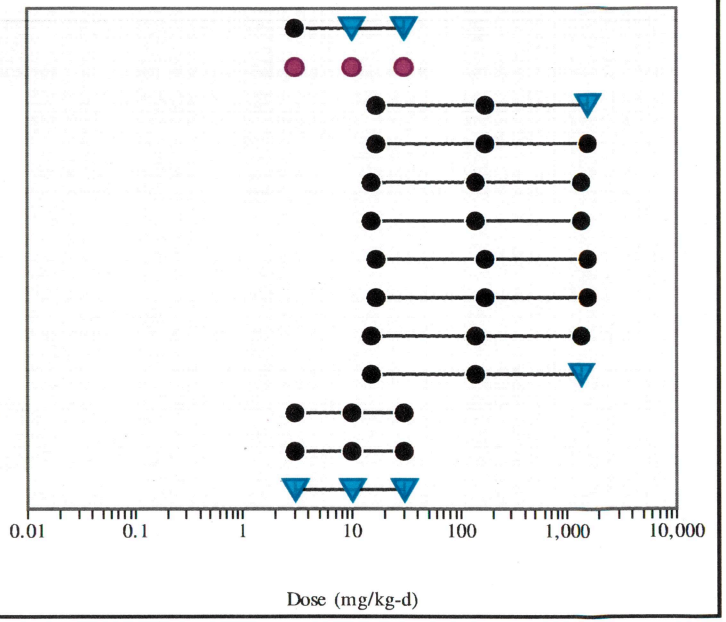
■ No dose response ◆ Singificant dose response

Endpoint	Study	Species	Gen	Sex	Exposure	Observation	Other Info
Go/no-go tasks	Miller-Rhodes et al. 2014	Rat	F1	Combined	Gestation	14.0 months	
Locomotor activity	Ema et al. 2008	Rat	F1	Male	Continuous	4.0 weeks	0-10 min
			F1	Male	Continuous	4.0 weeks	10-20 min
			F1	Male	Continuous	4.0 weeks	20-30 min
			F1	Male	Continuous	4.0 weeks	30-40 min
			F1	Male	Continuous	4.0 weeks	40-50 min
			F1	Male	Continuous	4.0 weeks	50-60 min
			F1	Female	Continuous	4.0 weeks	0-10 min
			F1	Female	Continuous	4.0 weeks	10-20 min
			F1	Female	Continuous	4.0 weeks	20-30 min
			F1	Female	Continuous	4.0 weeks	30-40 min
			F1	Female	Continuous	4.0 weeks	40-50 min
			F1	Female	Continuous	4.0 weeks	50-60 min
	Eriksson et al. 2006	Mouse	F1	Male	PND 10 (single dose)	3.0 months	horizontal, 0-20 min
			F1	Male	PND 10 (single dose)	3.0 months	horizontal, 20-40 min
			F1	Male	PND 10 (single dose)	3.0 months	horizontal, 40-60 min
			F1	Male	PND 10 (single dose)	3.0 months	rearing, 0-20 min
			F1	Male	PND 10 (single dose)	3.0 months	rearing, 20-40 min
			F1	Male	PND 10 (single dose)	3.0 months	rearing, 40-60 min
			F1	Male	PND 10 (single dose)	3.0 months	total 40-60 min
			F1	Male	PND 10 (single dose)	3.0 months	total, 0-20 min
			F1	Male	PND 10 (single dose)	3.0 months	total, 20-40 min
Random ratio task	Miller-Rhodes et al. 2014	Rat	F1	Combined	Gestation	11.0 months	RR1
			F1	Combined	Gestation	11.0 months	RR2
			F1	Combined	Gestation	11.0 months	RR5
			F1	Combined	Gestation	11.0 months	RR10
			F1	Combined	Gestation	11.0 months	RR20
Swim maze	Ema et al. 2008	Rat	F1	Male	Continuous	6.0 weeks	multiple T, Day 1
			F1	Male	Continuous	6.0 weeks	multiple T, Day 2
			F1	Male	Continuous	6.0 weeks	multiple T, Day 3
			F1	Male	Continuous	6.0 weeks	multiple T, Day 4
			F1	Female	Continuous	6.0 weeks	multiple T, Day 1
			F1	Female	Continuous	6.0 weeks	multiple T, Day 2
			F1	Female	Continuous	6.0 weeks	multiple T, Day 3
			F1	Female	Continuous	6.0 weeks	multiple T, Day 4
	Eriksson et al. 2006	Mouse	F1	Male	PND 10 (single dose)	3.0 months	Morris, Day 1
			F1	Male	PND 10 (single dose)	3.0 months	Morris, Day 2
			F1	Male	PND 10 (single dose)	3.0 months	Morris, Day 3
			F1	Male	PND 10 (single dose)	3.0 months	Morris, Day 4
			F1	Male	PND 10 (single dose)	3.0 months	Morris, Day 5



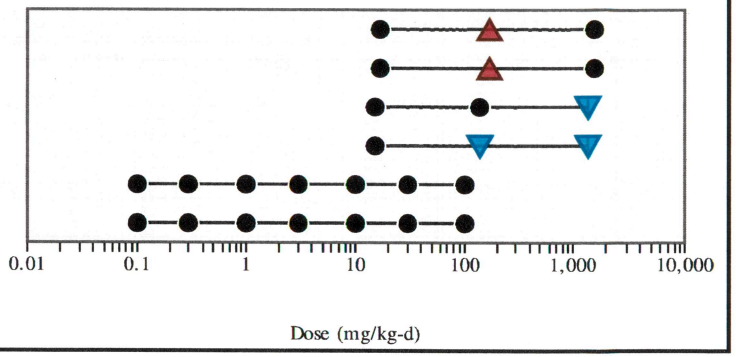
No significant effect
Significant increase
Significant decrease
No dose response
Significant dose response

Endpoint	Study	Species	Gen	Sex	Exposure	Observation	Other Info
Grip strength	Miller-Rhodes et al. 2014	Rat	F1	Male	Gestation	26.0 post-natal day	
			F1	Female	Gestation	26.0 post-natal day	
Righting reflex	Ema et al. 2008	Rat	F1	Male	Continuous	5.0 post-natal day	surface, response time
			F1	Female	Continuous	5.0 post-natal day	surface, response time
			F2	Male	Continuous	5.0 post-natal day	surface, response time
			F2	Female	Continuous	5.0 post-natal day	surface, response time
			F1	Male	Continuous	18.0 post-natal day	mid-air, % completion
			F1	Female	Continuous	18.0 post-natal day	mid-air, % completion
			F2	Male	Continuous	18.0 post-natal day	mid-air, % completion
			F2	Female	Continuous	18.0 post-natal day	mid-air, % completion
	Miller-Rhodes et al. 2014	Rat	F1	Male	Gestation	None not reported	surface; age at 85% completion
			F1	Female	Gestation	None not reported	surface; age at 85% completion
Tail pinch	Miller-Rhodes et al. 2014	Rat	F1	Combined	Gestation	21.0 post-natal day	% no response



No significant effect
Significant increase
Significant decrease
No dose response
Significant dose response

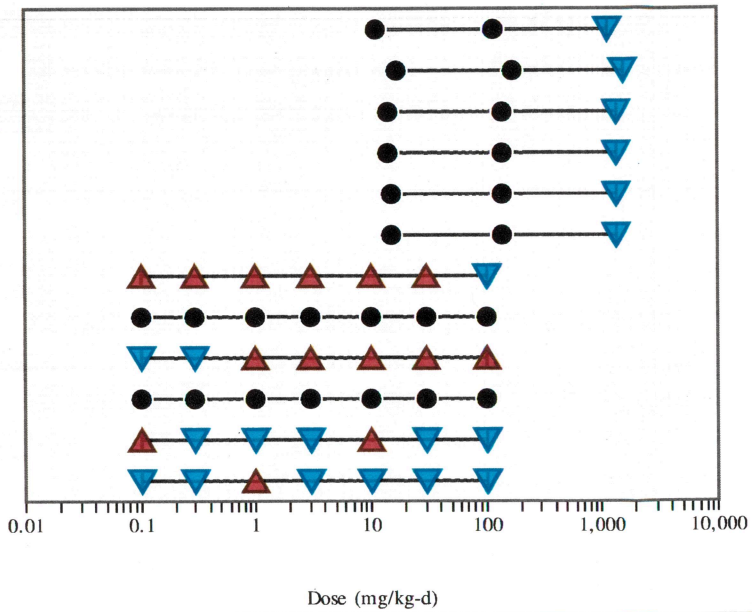
Endpoint	Study	Species	Gen	Sex	Exposure	Observation	Other Info
Eye opening	Ema et al. 2008	Rat	F1	Male	Continuous	14.0 post-natal day	
				Female	Continuous	14.0 post-natal day	
			F2	Male	Continuous	14.0 post-natal day	
				Female	Continuous	14.0 post-natal day	
Trabecular bone mineral density, tibia	van der Ven et al. 2009	Rat	F1	Male	Continuous	11.0 weeks	
				Female	Continuous	None not reported	



● No significant effect ▲ Significant increase ▼ Significant decrease

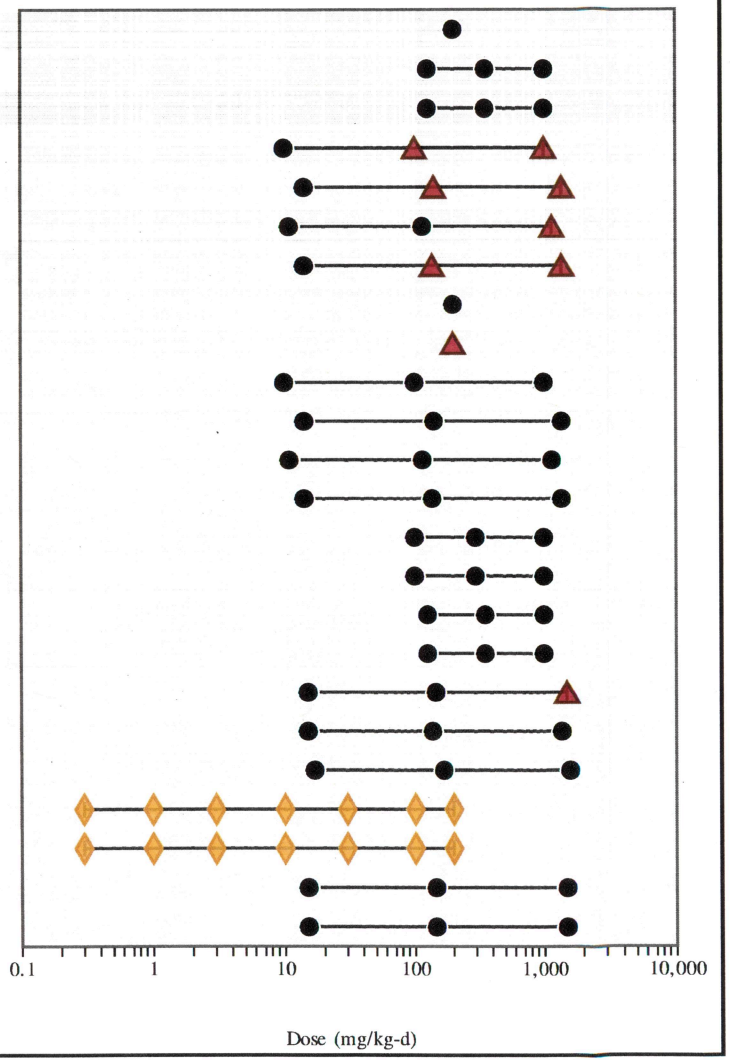
■ No dose response ◆ Significant dose response

Endpoint	Study	Species	Gen	Sex	Exposure	Observation	Other Info
Absolute brain weight	Ema et al. 2008	Rat	F1	Male	Continuous	None not reported	
						26.0 post-natal day	
				Female	Continuous	None not reported	
						26.0 post-natal day	
			F2	Male	Continuous	26.0 post-natal day	
				Female	Continuous	26.0 post-natal day	
	van der Ven et al. 2009	Rat	F1	Male	Continuous	11.0 weeks	
				Female	Continuous	None not reported	
BAEPs, click threshold	Lilienthal et al. 2009	Rat	F1	Male	Continuous	20.0 weeks	
				Female	Continuous	20.0 weeks	
Catalepsy, foreleg latency	Lilienthal et al. 2009	Rat	F1	Male	Continuous	15.0 weeks	
				Female	Continuous	15.0 weeks	



No significant effect
Significant increase
Significant decrease
No dose response
Significant dose response

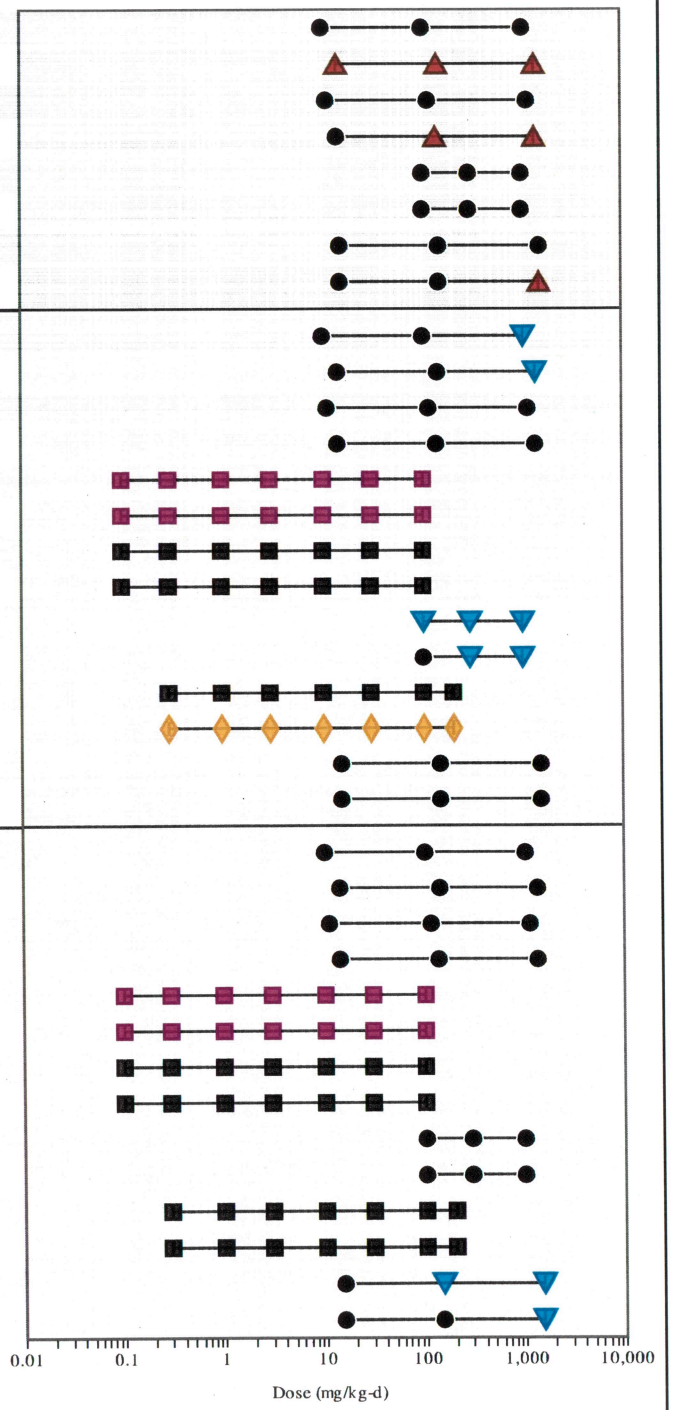
Endpoint	Study	Species	Gen	Sex	Exposure	Observation	Other Info
Colloid area	Maranghi et al. 2013	Mouse		Female	PND 26-54	54.0 post-natal day	
Colloid loss	WIL 1997	Rat		Male	Adult	None not reported	
				Female	Adult	None not reported	
Decreased thyroid follicle size	Ema et al. 2008	Rat	P0	Male	Adult	None not reported	
				Female	Adult	None not reported	
			F1	Male	Continuous	None not reported	
				Female	Continuous	None not reported	
Follicle area	Maranghi et al. 2013	Mouse		Female	PND 26-54	54.0 post-natal day	
Follicle:Colloid	Maranghi et al. 2013	Mouse		Female	PND 26-54	54.0 post-natal day	
Follicular cell hypertrophy	Ema et al. 2008	Rat	P0	Male	Adult	None not reported	
				Female	Adult	None not reported	
			F1	Male	Continuous	None not reported	
				Female	Continuous	None not reported	
	WIL 2001	Rat		Male	Adult	None not reported	
				Female	Adult	None not reported	
	WIL 1997	Rat		Male	Adult	None not reported	
				Female	Adult	6.0 weeks	
	Saegusa et al. 2009	Rat	P0	Female	Adult	None not reported	
Other thyroid histopathology	Ema et al. 2008	Rat	F2	Combined	Continuous	None not reported	
			F1	Combined	Continuous	26.0 post-natal day	
	van der Ven et al. 2006	Rat		Male	Adult	None not reported	#
				Female	Adult	None not reported	#
	Saegusa et al. 2009	Rat	F1	Male	GD 10 - PND 20	11.0 weeks	
				Female	GD 10 - PND 20	11.0 weeks	



● No significant change ▲ Significant increase ▼ Significant decrease

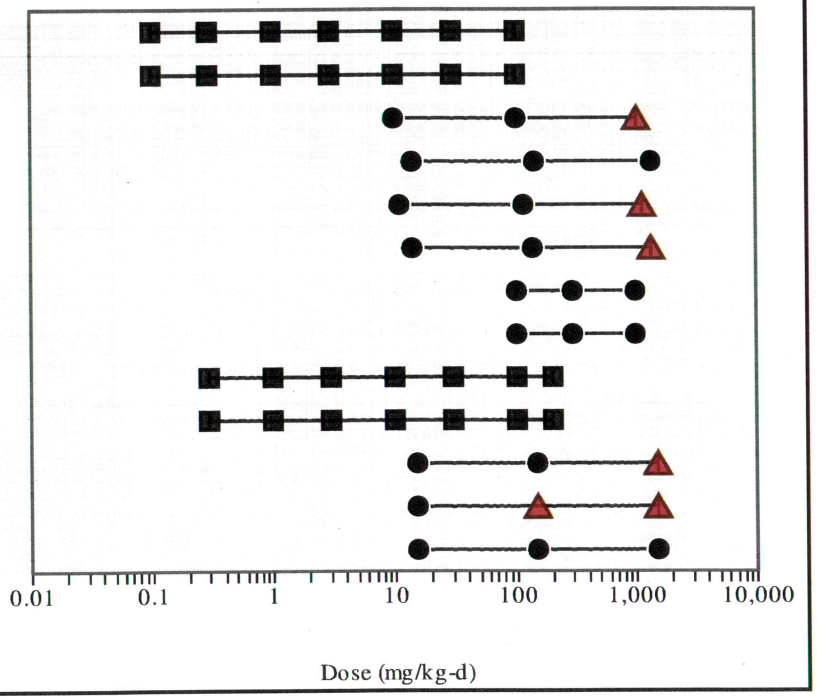
■ No dose response ◆ Significant dose response

Endpoint	Study	Species	Gen	Sex	Exposure	Observation
TSH	Ema et al. 2008	Rat	P0	Male	Adult	Adult
				Female	Adult	Adult
			F1	Male	Continuous	Adult
				Female	Continuous	Adult
	WIL 2001	Rat		Male	Adult	Adult
				Female	Adult	Adult
	Saegusa et al. 2009	Rat	F1	Male	GD 10 - PND 20	PNW 11
						PND 20
T4	Ema et al. 2008	Rat	P0	Male	Adult	Adult
				Female	Adult	Adult
			F1	Male	Continuous	Adult
				Female	Continuous	Adult
	van der Ven et al. 2009	Rat	P0	Male	Adult	Adult
				Female	Adult	Adult
			F1	Male	Continuous	PNW 11
				Female	Continuous	PNW 11
	WIL 2001	Rat		Male	Adult	Adult
				Female	Adult	Adult
	van der Ven et al. 2006	Rat		Male	Adult	Adult
				Female	Adult	Adult
	Saegusa et al. 2009	Rat	F1	Male	GD 10 - PND 20	PNW 11
						PND 20
T3	Ema et al. 2008	Rat	P0	Male	Adult	Adult
				Female	Adult	Adult
			F1	Male	Continuous	Adult
				Female	Continuous	Adult
	van der Ven et al. 2009	Rat	P0	Male	Adult	Adult
				Female	Adult	Adult
			F1	Male	Continuous	PNW 11
				Female	Continuous	PNW 11
	WIL 2001	Rat		Male	Adult	Adult
				Female	Adult	Adult
	van der Ven et al. 2006	Rat		Male	Adult	Adult
				Female	Adult	Adult
	Saegusa et al. 2009	Rat	F1	Male	GD 10 - PND 20	PNW 11
						PND 20



No significant change
Significant decrease
Significant Increase
No significant trend
Significant trend
Only control/high dose tested

Endpoint	Study	Species	Gen	Sex	Exposure	Observation
Absolute thyroid weight	van der Ven et al. 2009	Rat	F1	Male	Continuous	11.0 weeks
			F1	Female	Continuous	11.0 weeks
Relative thyroid weight	Ema et al. 2008	Rat	P0	Male	Adult	None not reported
			P0	Female	Adult	None not reported
			F1	Male	Continuous	None not reported
			F1	Female	Continuous	None not reported
	WIL 2001	Rat		Male	Adult	None not reported
				Female	Adult	None not reported
	van der Ven et al. 2006	Rat		Male	Adult	None not reported
				Female	Adult	None not reported
	Saegusa et al. 2009	Rat	P0	Female	Adult	None not reported
			F1	Male	GD 10 - PND 20	11.0 weeks
			F1	Female	GD 10 - PND 20	11.0 weeks



No significant change
Significant increase
Significant decrease
No dose response
Significant dose response