

Experiment Number: C91069
Test Type: TOX
Route: Oral Gavage
Species/Strain: Rat/Harlan Sprague Dawley

R07: Hormone Summary
Test Compound: Wyeth 14,643 (WY)
CAS Number: 50892-23-4

Date Report Requested: 12/14/2016
Time Report Requested: 15:23:05
Lab: Battelle

C Number:	C91069
Cage Range:	All
Date Range:	All
Reasons For Removal:	All
Removal Date Range:	All
Treatment Groups:	All
Study Gender:	Both

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Male

Terminal Sacrifice

Treatment Groups (mg/kg/day)

0

6.25

12.5

25

SD 28 - 28	Testosterone (ng/mL)	4.033 ± 0.479 (10) *	3.141 ± 0.911 (10)	4.374 ± 1.293 (10)	1.559 ± 0.385 (10) *
SD 28 - 28	Thyroid Stimulating Hormone (ng/mL)	18.560 ± 1.164 (10) **	21.455 ± 3.593 (10)	15.637 ± 2.127 (10)	13.072 ± 1.014 (10) *
SD 28 - 28	Triiodothyronine (ng/dL)	106.350 ± 5.527 (10)	113.620 ± 4.208 (10)	102.400 ± 3.391 (10)	103.950 ± 4.949 (10)
SD 28 - 28	Free Thyroxine (ng/dL)	2.347 ± 0.086 (10) **	1.433 ± 0.127 (10) **	1.411 ± 0.143 (10) **	1.305 ± 0.132 (10) **
SD 28 - 28	Total Thyroxine (ug/dL)	3.580 ± 0.128 (10) **	2.900 ± 0.152 (10) **	2.940 ± 0.197 (10) *	2.780 ± 0.172 (10) **

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Female

Terminal Sacrifice	Treatment Groups (mg/kg/day)				
	0	6.25	12.5	25	
SD 28 - 28	Testosterone (ng/mL)	0.332 ± 0.027 (10) *	0.519 ± 0.068 (10) *	0.491 ± 0.060 (10)	0.567 ± 0.075 (10) *
SD 28 - 28	Thyroid Stimulating Hormone (ng/mL)	10.072 ± 0.513 (9) **	16.190 ± 2.034 (10) **	14.962 ± 1.708 (10) **	17.210 ± 1.253 (10) **
SD 28 - 28	Triiodothyronine (ng/dL)	65.660 ± 2.472 (10) **	71.860 ± 4.312 (10)	83.090 ± 4.788 (10) **	83.570 ± 3.717 (10) **
SD 28 - 28	Free Thyroxine (ng/dL)	1.134 ± 0.082 (10)	1.444 ± 0.102 (10)	1.671 ± 0.136 (10) **	1.338 ± 0.093 (10)
SD 28 - 28	Total Thyroxine (ug/dL)	1.790 ± 0.126 (10)	1.990 ± 0.164 (10)	2.280 ± 0.146 (10)	1.700 ± 0.116 (10)

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LEGEND

Data are displayed as mean \pm SEM (N)

Statistical analysis performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests

Statistical significance for a treatment group indicates a significant pairwise test compared to the vehicle control group

Statistical significance for the control group indicates a significant trend test

* Statistically significant at $P \leq 0.05$

** Statistically significant at $P \leq 0.01$

SD – Study Day; GD – Gestation Day; LD – Lactation Day; PND – Postnatal Day, adults post-weaning

**** END OF REPORT ****