

**Study Number:** C10672-01  
**Test Type:** TOX  
**Route:** Oral Gavage  
**Species/Strain:** Rat/Sprague Dawley

**R07: Hormone Summary**  
**Test Compound:** Decabromodiphenyl Ether  
**CAS Number:** 1163-19-5

**Date Report Requested:** 04/08/2019  
**Time Report Requested:** 10:10:23  
**Lab:** Battelle

**C Number:** C10672-01  
**Study Gender:** Male  
**PWG Approval Date:** See web page for date of PWG Approval

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**Male: Core Males**

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Terminal Sacrifice	Treatment Groups (mg/kg)			
	0	0.1	0.959	9.59
SD 5 - 5 Thyroid Stimulating Hormone (ng/mL)	16.0 ± 0.8 (6)	23.5 ± 1.3 (6) *	18.1 ± 1.8 (6)	18.9 ± 2.0 (6)
SD 5 - 5 Triiodothyronine (ng/dL)	138.833 ± 11.871 (6)	128.333 ± 13.720 (6)	131.500 ± 6.707 (6)	113.567 ± 11.678 (6)
SD 5 - 5 Free Thyroxine (ng/dL)	2.253 ± 0.187 (6)	2.077 ± 0.164 (6)	2.075 ± 0.144 (6)	2.253 ± 0.205 (6)
SD 5 - 5 Total Thyroxine (ug/dL)	5.95 ± 0.31 (6)	6.04 ± 0.19 (5)	5.85 ± 0.44 (6)	6.37 ± 0.30 (6)

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Terminal Sacrifice	Treatment Groups (mg/kg)	
	95.9	959
SD 5 - 5 Thyroid Stimulating Hormone (ng/mL)	16.7 ± 3.0 (5)	18.6 ± 3.3 (6)
SD 5 - 5 Triiodothyronine (ng/dL)	121.450 ± 9.219 (6)	141.500 ± 6.269 (6)
SD 5 - 5 Free Thyroxine (ng/dL)	2.365 ± 0.202 (6)	2.025 ± 0.184 (6)
SD 5 - 5 Total Thyroxine (ug/dL)	6.35 ± 0.28 (6)	5.74 ± 0.19 (5)

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#### LEGEND

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Data are displayed as mean  $\pm$  SEM (N) unless otherwise noted.

SD – Study Day

Statistical analysis performed by Jonckheere (trend) and Shirley or Dunn (pairwise) tests (unless otherwise noted).

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  $P \leq 0.01$

One value for Total Thyroxine in the 0.1 mg/kg group was excluded.

**\*\* END OF REPORT \*\***