

## N30 – MWM - Visible Platform (latency)

Study Number: C11042B-01	Test Compound: Triphenyl phosphate	Date: 05 May 2026
DTTID: 104-016-004-000-6	CAS Number: 115-86-6	Time: 10:40:59 AM
Study Type: TOX with Perinatal Exposure	DTXSID: DTXSID1021952	
Species/Strain: Rat/Harlan Sprague Dawley		

### MWM Visible Platform Latency in Male Rats (PND 68-73)

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#### Model Selection Results

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	F statistic	Numerator df	Denominator df	p-value
<b>Model: Main effects (dose, day) and interactions</b>				
Dose	2.22	3	79	0.093
Day	97.70	1	79	≤0.001
Interaction	0.81	3	79	0.495
<b>Model: Main effects (dose, day)</b>				
Dose	2.22	3	79	0.093
Day	94.54	1	79	≤0.001

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#### Model: Main Effects with No Interactions

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	Dose Group (ppm)			
	0	30	1000	3000
<b>Day</b>				
1	41.24 ± 6.770[19]	31.39 ± 4.570[20]	25.96 ± 3.136[20]	25.71 ± 3.004[20]
2	16.81 ± 1.733[19]	13.72 ± 1.223[20]	15.67 ± 1.573[20]	12.35 ± 1.068[20]

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MWM Visible Platform Latency in Female Rats (PND 68-73)

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### Model Selection Results

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	F statistic	Numerator df	Denominator df	p-value
<b>Model: Main effects (dose, day) and interactions</b>				
Dose	1.27	3	79	0.291
Day	69.76	1	79	≤0.001
Interaction	0.32	3	79	0.811
<b>Model: Main effects (dose, day)</b>				
Dose	1.27	3	79	0.291
Day	68.80	1	79	≤0.001

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### Model: Main Effects with No Interactions

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	Dose Group (ppm)			
	0	30	1000	3000
<b>Day</b>				
1	32.13 ± 3.966[19]	23.73 ± 3.071[20]	26.61 ± 2.866[20]	27.28 ± 2.988[20]
2	15.66 ± 1.307[19]	14.19 ± 1.547[20]	13.60 ± 1.378[20]	14.76 ± 1.576[20]

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### LEGEND

Data represent mean  $\pm$  SEM [sample size] of session latency (sec) to find and escape onto a visible platform in the Morris Water Maze task, as detected using AnyMaze™ video capture system.

Sprague Dawley (Hsd:Sprague Dawley SD) rats were exposed through the dam from gestation day 6 to weaning at postnatal day (PND) 28 and tested as young adults (PND 68-73).

Data were assessed for homogeneity of variance and normality using model residual plots and Shapiro-Wilk tests.

Data was log transformed for analysis due to violation of the assumptions of normality and homogeneity of variance.

Median session responses (4 trials per session) were log transformed and analyzed using repeated measures analysis of variance (RMANOVA) with an autoregressive error structure, with dose and day as factors.

In the Model selection results indicate main effects of dose or day and interactions. In the absence of a significant dose by day interaction, the dose effect is independent of day. In the case of a significant interaction between dose and day, comparisons were conducted within each day.

The denominator degrees of freedom (df) was computed by Kenward-Roger approximation method.

All p-values were determined as two-tailed tests.

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