

Anticonvulsant Screening Program

Test 23 Results - Sciatic Ligation Model In Rats

ASP ID: 21 U Screen ID: 1

Solvent Code: MC Solvent Prep: M&P,SB Route Code: PO

Date Started: 21-Jan-2011 Date Completed: 21-Jan-2011

Reference: SL4:03

Analysis

Dose (mg/kg)	Time (hrs)	Mean values +/- S.E.M			
		Threshold	+/-	S.E.M	% Pre-Drug +/- S.E.M
0.25	0.0	4.81	+/-	1.29	100 +/- 27 ☐
0.25	1.0	9.07	+/-	2.38	319 +/- 160 ☐
0.25	2.0	11.25	+/-	2.01	401 +/- 104 ☐
0.25	4.0	4.81	+/-	1.33	117 +/- 22 ☐
0.25	6.0	3.65	+/-	0.75	97 +/- 18 ☐

* % threshold of ligated leg prior to drug administration.

Note: Box checked if data is significantly different from control.

Results of Analysis

Dose (mg/kg)	Time of Peak Effect (hrs)	* % Pre-Drug			
		Threshold	+/-	SEM	
0.25	2.0	401	+/-	104	☐

Note: Box checked if data is significantly different from pre-drug.

Response per Animal

Dose (mg/kg)	Animal #	Threshold for Foot Withdrawal (grams)									
		Pre-Drug	1hr	2hr	4hr	6hr	24hr	0.5hr			
0.25	1	1.61	1.17	6.73	1.61	1.61		6.73			
0.25	2	1.61	22.8	11.96	2.87	2.87		6.73			
0.25	3	6.73	6.73	22.8	1.61	2.87		22.8			
0.25	4	4.34	4.34	9.29	2.87	2.87		6.73			
0.25	5	6.73	11.96	59.96	9.29	6.73		9.29			
0.25	6	4.34	9.29	9.29	9.29	6.73		2.87			
0.25	7	1.17	4.34	9.37	1.61	1.17		2.87			

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0.25	8	11.96	11.96	9.29	9.29	4.34		11.96			
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Comment for Response: Rat 05 at 2hr time point and rat 03 at 0.5 hrs, denote a significant outlier as defined by Grubb's test ($p < 0.05$) on Graphpad website (<http://www.graphpad.com/quickcalcs/grubbs1.com>)

Comments: