

Anticonvulsant Screening Program

Test 23 Results - Sciatic Ligation Model In Rats

ASP ID: 1 XX Screen ID: 1

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

Date Started: 27-May-2011 Date Completed: 27-May-2011

Reference: SL4:18

Analysis

Dose (mg/kg)	Time (hrs)	Mean values +/- S.E.M			
		Threshold	+/-	S.E.M	% Pre-Drug +/- S.E.M
10.0	0.0	2.98	+/-	1.3	100 +/- 44 <input type="checkbox"/>
10.0	0.5	5.91	+/-	2.73	131 +/- 26 <input type="checkbox"/>
10.0	1.0	7.60	+/-	3.38	248 +/- 88 <input type="checkbox"/>
10.0	2.0	4.17	+/-	1.46	152 +/- 29 <input type="checkbox"/>
10.0	4.0	4.00	+/-	1.51	141 +/- 33 <input type="checkbox"/>
10.0	6.0	4.20	+/-	1.45	154 +/- 29 <input type="checkbox"/>

* % 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
10.0	1.0	248	+/-	88 <input type="checkbox"/>

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			
10.0	1	2.87	22.8	9.29	9.29	9.29		22.8			
10.0	2	1.61	1.61	1.63	1.61	2.87		1.61			
10.0	3	1.61	6.85	2.87	0.95	2.87		2.87			
10.0	4	11.96	22.8	11.96	11.96	11.96		11.96			
10.0	5	1.61	1.61	2.87	1.61	1.61		4.34			
10.0	6	0.95	1.32	0.95	0.95	0.95		0.95			

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10.0	7	1.61	0.95	0.95	1.61	1.17		1.17			
10.0	8	1.61	2.87	2.87	4.0	2.87		1.61			

Comment for Response: Rat 01 at 0.5 hr is a significant outlier as defined by Grubb's test (p<0.05) on Graphpad website
(<http://www.graphpad.com/quickcalcls/grubbs1.cfm>)

Comments: