

Anticonvulsant Screening Program

Test 13 Results - Hippocampal Kindled Rats

ASP ID: 21 A Screen ID: 1

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

Test Date: 24-Mar-1998

Reference: 310:200-208,291;316:78-81;323:7-29,74-77

ED50 Value

Test	Time(Hrs)	ED50	95% Confidence Interval	Slope	STD Err	PI Value
KIN	0	0.72	0.23 - 1.28	1.94	0.75	

Time Course

Dose (mg/kg)	Time (min)	Seizure Score +/- SEM	Duration (sec) +/- SEM
0.25	0	5.0 +/- 0.0 ☐	72.67 +/- 5.87 ☐
0.25	15	3.33 +/- 0.92 ☐	52.17 +/- 8.93 ☐
0.25	45	4.83 +/- 0.17 ☐	69.83 +/- 5.87 ☐
0.25	75	4.83 +/- 0.17 ☐	80.5 +/- 9.08 ☐
0.25	105	4.67 +/- 0.21 ☐	81.33 +/- 8.14 ☐
0.25	135	4.5 +/- 0.22 ☐	87.83 +/- 9.17 ☐
0.25	165	4.67 +/- 0.21 ☐	80.83 +/- 7.44 ☐
0.25	195	4.67 +/- 0.21 ☐	78.67 +/- 6.48 ☐
0.25	225	4.83 +/- 0.17 ☐	81.17 +/- 9.98 ☐
0.25	255	4.83 +/- 0.17 ☐	74.0 +/- 9.36 ☐
0.5	0	5.0 +/- 0.0 ☐	71.88 +/- 4.56 ☐
0.5	15	3.63 +/- 0.8 ☐	51.88 +/- 11.48 ☐
0.5	45	4.0 +/- 0.6 ☐	74.5 +/- 15.22 ☐
0.5	75	4.63 +/- 0.18 ☐	71.38 +/- 7.84 ☐
0.5	105	4.88 +/- 0.13 ☐	74.63 +/- 8.48 ☐
0.5	135	4.5 +/- 0.19 ☐	73.5 +/- 5.15 ☐
1	0	5.0 +/- 0.0 ☐	81.5 +/- 3.7 ☐
1	15	2.63 +/- 0.75 ☒	45.0 +/- 12.01 ☒
1	45	2.75 +/- 0.77 ☒	59.75 +/- 12.18 ☐
1	75	3.63 +/- 0.5 ☒	72.25 +/- 4.77 ☐
1	105	4.13 +/- 0.52 ☐	88.5 +/- 7.43 ☐
1	135	3.63 +/- 0.5 ☐	88.13 +/- 11.15 ☐
1.5	0	5.0 +/- 0.0 ☐	87.0 +/- 6.43 ☐

Anticonvulsant Screening Program

Test 13 Results - Hippocampal Kindled Rats

ASP ID: 21 A Screen ID: 1

Dose (mg/kg)	Time (min)	Seizure Score +/- SEM	Duration (sec) +/- SEM
1.5	15	1.88 +/- 0.91 ☒	35.25 +/- 9.8 ☒
1.5	45	2.13 +/- 0.85 ☒	42.88 +/- 10.11 ☒
1.5	75	2.0 +/- 0.89 ☒	57.25 +/- 14.28 ☐
1.5	105	2.75 +/- 0.86 ☐	67.13 +/- 12.96 ☐
1.5	135	3.5 +/- 0.57 ☒	60.25 +/- 10.2 ☒
2	0	4.67 +/- 0.21 ☐	69.5 +/- 7.79 ☐
2	15	1.0 +/- 0.82 ☒	30.5 +/- 12.8 ☒
2	45	1.33 +/- 0.8 ☒	40.5 +/- 14.52 ☐
2	75	1.33 +/- 0.76 ☒	42.83 +/- 11.79 ☐
2	105	0.67 +/- 0.33 ☒	39.0 +/- 13.08 ☐
2	135	3.17 +/- 0.79 ☐	72.67 +/- 17.01 ☐

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

Dose Responses

Dose (mg)	Time (min)	Comment Code	N Toxic / F Tested	N Protected / F Tested
0.25	15		0 / 6	2 / 6
0.5	15		1 / 8	2 / 8
1	15		3 / 8	5 / 8
1.5	15		4 / 8	5 / 8
2	105		0 / 6	6 / 6

Note: Presence of an asterisk (*) indicates that there are multiple comment codes.

Comments: