

Anticonvulsant Screening Program

Test 22 Results - Formalin Test (Mice I.P.)

ASP ID: 129018 G Screen ID: 1

Solvent Code: MC Solvent Prep: TT Route Code: IP

Time of Test: 0.25 (hrs)

Date Started: 29-Oct-2003 Date Completed: 11-Nov-2003

Reference: F1:5-7

Analysis

Dose (mg/kg)	Test	Area Under the Curve				
		Control	Drug Treated	% of Control	S.E.M	p Value
10.0	Acute	189.1	84.79	44.8	13.5	< 0.01
10.0	Inflammatory	385	138.5	36	18	< 0.05
30.0	Acute	181.8	0	0	0	< 0.01
30.0	Inflammatory	519.1	0	0	0	< 0.01
70.0	Acute	194	0	0	0	< 0.01
70.0	Inflammatory	365.3	0	0	0	< 0.01

Response

Trial 1

Dose (mg/kg)	Animal #	Duration of Licking (sec)											
		0 min	5 min	10 min	15 min	20 min	25 min	30 min	35 min	40 min	45 min	50 min	55 min
0.0	01	51.94	0	5.33	33.22	26.37	0	0	3.28	5.45			
0.0	02	81.08	0	0	17.33	7.84	2.23	0	4.97	20.25			
0.0	03	45.04	0	16.22	25.65	18.32	30.82	0	0	0			
0.0	04	56.62	0	0	12.21	18.81	7.76	13.99	1.87	1.51			
0.0	05	58.02	15.14	0	6.44	89.1	38.18	10.17	0	0			
0.0	06	72.16	0	0	1.74	15.49	69.93	20.62	0	3.06			
0.0	07	61.99	26	14.51	20.52	38.48	20.74	31.87	3.15	0			
0.0	08	59.84	0	0	44.83	15.82	30.16	0	0	0			

Trial 1

Duration of Licking (sec)													
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Dose (mg/kg)	Animal #	0 min	5 min	10 min	15 min	20 min	25 min	30 min	35 min	40 min	45 min	50 min	55 min
10.0	01	1.58	0	0	0	0	0	0	0	0			
10.0	02	25.56	0	0	0	0	54.19	0	0	0			
10.0	03	62.82	0	0	17.44	4.56	5.27	0	0	0			
10.0	04	3.81	0	0	0	0	0	0	0	0			
10.0	05	33.55	16.89	0	0	0	17.81	29.58	43.88	37.59			
10.0	06	1.68	0	0	0	0	0	0	0	0			
10.0	07	54.55	0	0	0	0	0	0	0	0			
10.0	08	53.99	0	0	0	0	6.45	15.58	16.82	0			

Trial 2

		Duration of Licking (sec)											
Dose (mg/kg)	Animal #	0 min	5 min	10 min	15 min	20 min	25 min	30 min	35 min	40 min	45 min	50 min	55 min
0.0	01	67.46	0	35.42	39.4	10.26	42.56	36.8	16.41	0			
0.0	02	81.69	0	10.14	18.72	18.81	2.27	0	0	2.65			
0.0	03	57.49	0	4.61	51.09	39.48	14.12	7.22	0	0			
0.0	04	84.29	0	0	4.18	38.23	36.18	0	8.08	10.12			

Trial 2

		Duration of Licking (sec)											
Dose (mg/kg)	Animal #	0 min	5 min	10 min	15 min	20 min	25 min	30 min	35 min	40 min	45 min	50 min	55 min
30.0	01	0	0	0	0	0	0	0	0	0			
30.0	02	0	0	0	0	0	0	0	0	0			
30.0	03	0	0	0	0	0	0	0	0	0			
30.0	04	0	0	0	0	0	0	0	0	0			

Trial 3

		Duration of Licking (sec)											
Dose (mg/kg)	Animal #	0 min	5 min	10 min	15 min	20 min	25 min	30 min	35 min	40 min	45 min	50 min	55 min
0.0	01	72.9	7.17	0	18.98	39.1	23.28	0	2.59	5.13			
0.0	02	81.69	0	0	17.03	27.05	22.49	0	10.7	15.46			

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0.0	03	66.77	0	0	10.65	21.61	8.08	0	50.12	0			
0.0	04	58.01	5.44	0	12.6	31.58	21.48	0	0	1.75			
0.0	05	76.06	0	0	8.59	19.64	36.88	22.56	0	0			
0.0	06	80.13	2.39	0	41.32	17.84	10.22	6.16	0	2.42			

Trial 3

		Duration of Licking (sec)											
Dose (mg/kg)	Animal #	0 min	5 min	10 min	15 min	20 min	25 min	30 min	35 min	40 min	45 min	50 min	55 min
70.0	01	0	0	0	0	0	0	0	0	0			
70.0	02	0	0	0	0	0	0	0	0	0			
70.0	03	0	0	0	0	0	0	0	0	0			
70.0	04	0	0	0	0	0	0	0	0	0			
70.0	05	0	0	0	0	0	0	0	0	0			
70.0	06	0	0	0	0	0	0	0	0	0			

Comments: