

Anticonvulsant Screening Program

Test 10 Results - Anticonvulsant Quantification (Rats I.P.)

ASP ID: 399023 U Screen ID: 1

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

Animal Weight: - g

Test Date: 05-Mar-2009

Reference: 433:194-198-201-203-205-208-211-214-217

ED50 Value

Test	Time(Hrs)	ED50	95% Confidence Interval	Slope	STD Err	PI Value
MES	0.25	19.85	13.04 - 29.02	3.92	1.11	
SCMET	0.25	> 250.0	-			
TOX	0.25	< 250.0	-			

ED50 Biological Response

Test	Time (hr)	Dose (mg/kg)	Dths	N / F	C
MES	0.25	7.5		0 / 8	
MES	0.25	15		4 / 8	
MES	0.25	30		5 / 8	
MES	0.25	60		8 / 8	
SCMET	0.25	62.5		1 / 2	25
SCMET	0.25	125		1 / 2	
SCMET	0.25	250		1 / 2	
TOX	0.25	250		5 / 8	
TOX	0.25	350		5 / 8	55

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

ED50 Biological Response Comments

Test	Dose (mg/kg)	Time (Hrs)	Code	Comment
SCMET	62.5	0.25	25	Myoclonic jerks
TOX	350	0.25	55	Vocalization

Time to Peak Effect

Time (Hours)	0.25	0.5	1.0	2.0	4.0	6.0	8.0	24	3.0
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ASP ID: 399023 U Screen ID: 1

Test	Dose		Dths	N / F	C	N / F	C	N / F	C	N / F	C	N / F	C	N / F	C
MES	45			1 / 4		1 / 4		0 / 4		0 / 4		/		/	
MES	60			8 / 8		6 / 8		/		/		/		/	
MES	90			8 / 8		8 / 8		/		/		/		/	
TOX	125			1 / 2		1 / 2		0 / 2		0 / 2		0 / 2		0 / 2	
TOX	250			5 / 8		5 / 8		3 / 8		1 / 8		0 / 8		/	
TOX	350			5 / 8	55	5 / 8	55	5 / 8	55	4 / 8	55	2 / 8	55	/	
TOX	500			2 / 2		2 / 2		2 / 2		2 / 2		1 / 2		0 / 2	

Note: N/F = number of animals active or toxic over the number tested.

C= Comment code. Presence of an asterisk (*) indicates that there are multiple comment codes.

Response Comments

Test	Dose (mg/kg)	Time	Code	Comments
TOX	350	0.25	55	Vocalization
TOX	350	0.5	55	Vocalization
TOX	350	1	55	Vocalization
TOX	350	2	55	Vocalization
TOX	350	4	55	Vocalization

Comments: