

Anticonvulsant Screening Program

Test 4 Results - Mice I.P. Quantification

ASP ID: 330047 A Screen ID: 1

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

Animal Weight: - g

Test Date: 15-Aug-2008

Reference: 431:95-99

ED50 Value

Test	Time(Hrs)	ED50	95% Confidence Interval	Slope	STD Err	PI Value
MES	0.5	272.52	237.48 - 314.24	9.31	2.48	
SCMET	0.5	> 235.0	-			
TOX	0.25	301.48	266.01 - 348.61	9.96	2.46	

ED50 Biological Response

Test	Time (hr)	Dose (mg/kg)	Dths	N / F	C
MES	0.50	200		0 / 8	
MES	0.50	235		3 / 8	
MES	0.50	270		5 / 8	
MES	0.50	360		6 / 8	
MES	0.50	450		8 / 8	
SCMET	0.50	235		0 / 8	22
TOX	0.25	200		0 / 8	
TOX	0.25	235		1 / 8	
TOX	0.25	270		4 / 8	14
TOX	0.25	360		5 / 8	14
TOX	0.25	450		8 / 8	14

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	235	0.5	22	Continuous seizure activity
TOX	270	0.25	14	Unable to grasp rotorod
TOX	360	0.25	14	Unable to grasp rotorod

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TOX	450	0.25	14	Unable to grasp rotorod
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Time to Peak Effect

Time (Hours)				0.25		0.5		1.0		2.0		4.0		6.0		8.0		24		3.0	
Test	Dose		Dths	N	F	C	N	F	C	N	F	C	N	F	C	N	F	C	N	F	C
MES	270			4	/	8	5	/	8	4	/	8	0	/	8	/	/		/	/	
TOX	270			4	/	8	14	4	/	8	1	/	8	0	/	8	/	/		/	/
TOX	450			8	/	8	14	5	/	8	14	/	/	/	/	/	/	/	/	/	/

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	270	0.25	14	Unable to grasp rotorod
TOX	450	0.25	14	Unable to grasp rotorod
TOX	450	0.5	14	Unable to grasp rotorod

Comments: