

Anticonvulsant Screening Program

Test 4 Results - Mice I.P. Quantification

ASP ID: 266004 XX Screen ID: 1

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

Animal Weight: - g

Test Date: 04-Mar-1997

Reference: 300:1-14

ED50 Value

Test	Time(Hrs)	ED50	95% Confidence Interval	Slope	STD Err	PI Value
MES	2	29.131	21.42 - 44.582	4.095	1.578	4.251
SCMET	2	> 150.0	-	0.0	0.0	< 0.826
TOX	0.5	123.847	99.693 - 143.43	8.912	2.952	

ED50 Biological Response

Test	Time (hr)	Dose (mg/kg)	Dths	N / F	C
MES	2.0	15		1 / 8	
MES	2.0	23		4 / 8	
MES	2.0	30		6 / 16	
MES	2.0	42		7 / 8	
SCMET	2.0	100		0 / 8	3
SCMET	2.0	150		0 / 3	*
TOX	0.50	100		1 / 8	
TOX	0.50	125		4 / 8	*
TOX	0.50	150		8 / 8	*
TOX	0.50	200		7 / 8	*

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	100	2	3	Death following continuous seizure
SCMET	150	2	3	Death following continuous seizure
SCMET	150	2	33	Tremors
TOX	125	0.5	14	Unable to grasp rotorod

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TOX	125	0.5	33	Tremors
TOX	150	0.5	14	Unable to grasp rotorod
TOX	150	0.5	33	Tremors
TOX	200	0.5	14	Unable to grasp rotorod
TOX	200	0.5	33	Tremors

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	23			/			/			/	4	8	3	8	/	/		/		/	
MES	35			0	4		2	4		3	4		4	4	2	4	/	/		/	
TOX	125			2	8		4	8	33	3	8	14	/		/	/		/		/	
TOX	150		1	5	8		8	8	*	8	8	*	7	8	14	5	8	5	8	1	/

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	125	0.5	33	Tremors
TOX	125	1	14	Unable to grasp rotorod
TOX	150	0.5	14	Unable to grasp rotorod
TOX	150	0.5	33	Tremors
TOX	150	1	14	Unable to grasp rotorod
TOX	150	1	33	Tremors
TOX	150	2	14	Unable to grasp rotorod
TOX	150	24	1	Death

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Comments: