

Anticonvulsant Screening Program

Test 5 Results - Mice P.O. Quantification

ASP ID: 4 XX Screen ID: 1

Solvent Code: MC Solvent Prep: SB

Animal Weight: - g

Test Date: 07-Apr-1988

Reference: 174295

ED50 Value

Test	Time(Hrs)	ED50	95% Confidence Interval	Slope	STD Err	PI Value
MES	0.5	11.89	8.47 - 15.04	5.79	1.81	8.0
SCMET	0.25	40.92	31.36 - 60.08	3.46	1.14	2.3
TOX	0.25	95.59	85.66 - 109.1	11.1	3.24	

ED50 Biological Response

Test	Time (hr)	Dose (mg/kg)	Dths	N / F C
MES	0.50	5		0 / 8
MES	0.50	10		3 / 8
MES	0.50	15		6 / 8
MES	0.50	20		7 / 8
SCMET	0.25	15		1 / 8
SCMET	0.25	31		6 / 16
SCMET	0.25	37		4 / 16
SCMET	0.25	45		6 / 8
SCMET	0.25	75		7 / 8
TOX	0.25	75		0 / 8
TOX	0.25	84		3 / 8
TOX	0.25	93		5 / 8
TOX	0.25	112		5 / 8
TOX	0.25	150		8 / 8

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

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	N / F C	N / F C	N / F C

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ASP ID: 4		XX		Screen ID: 1								
MES	15			2 / 4	3 / 4	1 / 4	0 / 4	0 / 4	0 / 4	/	/	/
SCMET	45			6 / 8	5 / 8	/	/	/	/	/	/	/
TOX	84			3 / 8	0 / 8	0 / 8	0 / 8	0 / 8	/	/	/	/

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.

Comments:

Anticonvulsant Screening Program

Test 5 Results - Mice P.O. Quantification

ASP ID: 4 B Screen ID: 2

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

Animal Weight: - g

Test Date: 12-May-2006

Reference: 402:237-245

ED50 Value

Test	Time(Hrs)	ED50	95% Confidence Interval	Slope	STD Err	PI Value
MES	0.5	17.67	15.6 - 27.5	14.01	6.57	
SCMET	0.5	121.61	108.12 - 146.14	10.89	3.34	
TOX	0.25	135.79	116.93 - 157.07	12.08	3.65	

ED50 Biological Response

Test	Time (hr)	Dose (mg/kg)	Dths	N / F	C
MES	0.50	15		1 / 8	
MES	0.50	17		4 / 8	
MES	0.50	19		5 / 8	
MES	0.50	30		4 / 4	
SCMET	0.50	85		0 / 8	
SCMET	0.50	100		1 / 8	22
SCMET	0.50	115		5 / 8	*
SCMET	0.50	150		6 / 8	*
SCMET	0.50	200		3 / 8	*
TOX	0.25	85		0 / 8	
TOX	0.25	115		2 / 8	14
TOX	0.25	150		5 / 8	14
TOX	0.25	200		8 / 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	0.5	22	Continuous seizure activity
SCMET	115	0.5	22	Continuous seizure activity

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SCMET	115	0.5	25	Myoclonic jerks
SCMET	150	0.5	22	Continuous seizure activity
SCMET	150	0.5	25	Myoclonic jerks
SCMET	150	0.5	34	Muscle spasms
SCMET	200	0.5	22	Continuous seizure activity
SCMET	200	0.5	Z	Not included in probit
TOX	115	0.25	14	Unable to grasp rotorod
TOX	150	0.25	14	Unable to grasp rotorod
TOX	200	0.25	14	Unable to grasp rotorod
TOX	200	0.25	34	Muscle spasms

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	19			3	/	8	5	/	8	/		/		/		/		/		/	
MES	30			4	/	4	4	/	4	3	/	4	2	/	4	/		/		/	
SCMET	115			4	/	8	25	5	/	8	25	/		/		/		/		/	
TOX	85			1	/	8	0	/	8	0	/	8	0	/	8	/		/		/	
TOX	150			5	/	8	14	4	/	8	14	1	/	8	/		/		/		/

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
SCMET	115	0.25	25	Myoclonic jerks
SCMET	115	0.5	25	Myoclonic jerks
SCMET	115	1	25	Myoclonic jerks

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TOX	150	0.25	14	Unable to grasp rotorod
TOX	150	0.5	14	Unable to grasp rotorod
TOX	150	1	14	Unable to grasp rotorod

Comments: