

Anticonvulsant Screening Program

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

ASP ID: 129018 * Screen ID: 1

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

Animal Weight: - g

Test Date: 30-Aug-2006

Reference: 397:186-273

ED50 Value

Test	Time(Hrs)	ED50	95% Confidence Interval	Slope	STD Err	PI Value
MES	2	19.01	8.75 - 43.82	1.39	0.42	
SCMET	2	> 100.0	-			
TOX	2	91.22	63.66 - 128.87	5.37	1.65	

ED50 Biological Response

Test	Time (hr)	Dose (mg/kg)	Dths	N / F	C
MES	2.0	2.5		0 / 8	
MES	2.0	5		2 / 8	
MES	2.0	10		4 / 8	
MES	2.0	20		5 / 8	
MES	2.0	40		5 / 8	
MES	2.0	80		6 / 8	
SCMET	2.0	25		0 / 2	5
SCMET	2.0	50		0 / 2	5
SCMET	2.0	100		0 / 2	5
TOX	2.0	25		0 / 8	
TOX	2.0	50		1 / 8	
TOX	2.0	100		4 / 8	55
TOX	2.0	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	25	2	5	Death following clonic seizure
SCMET	50	2	5	Death following clonic seizure

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SCMET	100	2	5	Death following clonic seizure
TOX	100	2	55	Vocalization
TOX	200	2	12	Ataxia
TOX	200	2	13	Loss of righting reflex

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
MES	20			2 / 4		3 / 4		2 / 4		4 / 4		3 / 4		/		/		/		/	
TOX	100			0 / 8		0 / 8	55	1 / 8	*	4 / 8	55	2 / 8	55	1 / 8	55	0 / 8	55	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.

Response Comments

Test	Dose (mg/kg)	Time	Code	Comments
TOX	100	0.5	55	Vocalization
TOX	100	1	29	Hyperactivity
TOX	100	1	55	Vocalization
TOX	100	2	55	Vocalization
TOX	100	4	55	Vocalization
TOX	100	6	55	Vocalization
TOX	100	8	55	Vocalization

Comments:

* D & G batch