

Anticonvulsant Screening Program

Test 3 Results - Rat P.O. Quantification

ASP ID: 87 U Screen ID: 1

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

Animal Weight: - g

Test Date: 22-Mar-2012

Reference: 466:262-271

ED50 Value

Test	Time(Hrs)	ED50	95% Confidence Interval	Slope	STD Err	PI Value
MES	0.5	13.22	8.24 - 22.67	2.94	0.88	
SCMET	0.5	9.11	7.2 - 12.94	6.11	1.95	
TOX	0.5	21.23	19.61 - 22.63	30.21	11.27	

ED50 Biological Response

Test	Time (hr)	Dose (mg/kg)	Dths	N / F	C
MES	0.50	4		0 / 8	
MES	0.50	7		2 / 8	
MES	0.50	15		6 / 8	
MES	0.50	30		6 / 8	
SCMET	0.50	5		1 / 8	
SCMET	0.50	7		1 / 8	
SCMET	0.50	10		5 / 8	
SCMET	0.50	21		8 / 8	
TOX	0.50	15		0 / 8	
TOX	0.50	20		2 / 8	12
TOX	0.50	22		5 / 8	12
TOX	0.50	25		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
TOX	20	0.5	12	Ataxia
TOX	22	0.5	12	Ataxia
TOX	25	0.5	12	Ataxia

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TOX	25	0.5	13	Loss of righting reflex
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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	N / F C	N / F C	N / F C
MES	7			/	2 / 8	0 / 8	0 / 8	/	/	/	/	/
TOX	15			0 / 8	0 / 8	0 / 8	0 / 8	/	/	/	/	/
TOX	20			0 / 8	2 / 8 12	1 / 8 12	/	/	/	/	/	/
TOX	25			8 / 8 *	8 / 8 *	8 / 8 *	8 / 8 *	2 / 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	20	0.5	12	Ataxia
TOX	20	1	12	Ataxia
TOX	25	0.25	12	Ataxia
TOX	25	0.25	13	Loss of righting reflex
TOX	25	0.5	12	Ataxia
TOX	25	0.5	13	Loss of righting reflex
TOX	25	1	12	Ataxia
TOX	25	1	13	Loss of righting reflex
TOX	25	2	12	Ataxia
TOX	25	2	13	Loss of righting reflex

Comments: