

Anticonvulsant Screening Program

Test 3 Results - Rat P.O. Quantification

ASP ID: 370020 U Screen ID: 1

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

Animal Weight: - g

Test Date: 07-Aug-2006

Reference: 397:149-164

ED50 Value

Test	Time(Hrs)	ED50	95% Confidence Interval	Slope	STD Err	PI Value
MES	1	1.5	0.91 - 2.36	3.14	0.87	
TOX	4	250.64	173.77 - 390.33	3.79	1.29	

ED50 Biological Response

Test	Time (hr)	Dose (mg/kg)	Dths	N / F C
MES	1.0	0.5		0 / 8
MES	1.0	1		3 / 8
MES	1.0	2.5		7 / 8
MES	1.0	5		7 / 8
TOX	4.0	125		1 / 8
TOX	4.0	200		3 / 8
TOX	4.0	250		4 / 8
TOX	4.0	500		7 / 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
MES	5			/	/	4 / 4	3 / 4	/	/	/	/	/
MES	10			/	/	4 / 4	4 / 4	3 / 4	/	/	/	/
MES	20			2 / 4	3 / 4	4 / 4	4 / 4	4 / 4	/	/	/	/
MES	35			4 / 4 *	4 / 4 *	4 / 4 *	4 / 4 *	4 / 4	/	/	/	/
MES	45			4 / 4	4 / 4	4 / 4 *	4 / 4 *	4 / 4	/	/	/	/
MES	60			4 / 4 *	4 / 4 *	4 / 4 *	4 / 4	4 / 4 *	/	/	/	/

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TOX	125			0 / 2	0 / 2	0 / 2	0 / 2	0 / 2	0 / 2	0 / 2	0 / 2	/
TOX	125.00 01			0 / 8	1 / 8	1 / 8	1 / 8	4 / 8	0 / 8	0 / 8	/	/
TOX	250			0 / 2	0 / 2	0 / 2	0 / 2	1 / 2	0 / 2	0 / 2	0 / 2	/
TOX	500		1	0 / 2	0 / 2	0 / 2	2 / 2	2 / 2	2 / 2	2 / 2	1 / 2	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
MES	35	0.25	24	Popcorn effect
MES	35	0.25	55	Vocalization
MES	35	0.5	24	Popcorn effect
MES	35	0.5	55	Vocalization
MES	35	1	24	Popcorn effect
MES	35	1	55	Vocalization
MES	35	2	24	Popcorn effect
MES	35	2	55	Vocalization
MES	45	1	24	Popcorn effect
MES	45	1	55	Vocalization
MES	45	2	24	Popcorn effect
MES	45	2	55	Vocalization
MES	60	0.25	24	Popcorn effect
MES	60	0.25	55	Vocalization
MES	60	0.5	24	Popcorn effect
MES	60	0.5	55	Vocalization

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MES	60	1	24	Popcorn effect
MES	60	1	55	Vocalization
MES	60	4	24	Popcorn effect
MES	60	4	55	Vocalization
TOX	500	24	1	Death

Comments: