

ACUTE TOXICITY IN MICE

COMPOUND	Mapleine		
SOURCE	Crescent	LORILLARD NO.	B75
DATE RECEIVED	12/4/80	TESTED	3/12/81-3/24/81
INVESTIGATOR(S)	H. S. Tong & A. A. Poole		
SIGNATURE(S)	<i>H. S. Tong</i> <i>A. A. Poole</i>		
STRAIN OF MICE	Swiss-Webster	MALE	<input checked="" type="checkbox"/>
AVERAGE WEIGHT RANGE (GM)	16-30	FEMALE	<input type="checkbox"/>
ROUTE OF COMPOUND ADMINISTRATION	<input type="checkbox"/> P.O. <input checked="" type="checkbox"/> I.P. <input type="checkbox"/> I.V. <input type="checkbox"/> INHALATION		
COMPOUND VEHICLE	<input type="checkbox"/> % METHYL CELLULOSE <input type="checkbox"/> CORN OIL <input type="checkbox"/> SALINE <input checked="" type="checkbox"/> OTHER pure solution		
GROUP NO.	% SOLUTION	DOSAGE (mg/kg BODY WEIGHT)	RESULTS (NO. DEAD/NO. TESTED)
1	100	5000	0/6
2	100	6000	0/6
3	100	7200	0/6
4	100	8640	0/6
5	100	10368	0/6
REFERENCE FOR CALCULATION Weil, Carroll S., Biometrics, Vol. 8, No. 3., Sept. 1952, p. 249.			
LD ₅₀ (95% CONFIDENCE LIMITS) LD ₅₀ = 10,368 mg/kg			
CONCLUSION Higher doses were impractical. The recommended safe dose for trial inhalation in man is 80.6, 40.3, or 26.8 mg per cigarette when smoked 1,2 or 3 cigarettes per hour, respectively.			
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