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HASKELL LABORATORY REPORT NO. 743-82 [REDACTED]

Material Tested*

Haskell No.
14,533

Other Codes [REDACTED]

Study Initiated/Completed
8/20/82 - 11/3/82

Material Submitted by [REDACTED]
CR&D Department
Haskell Laboratory

ORAL LD50 TEST IN RATS

Summary: [REDACTED] is slightly toxic when administered orally to young adult CrI:CD[®] male rats in single doses. Its LD₅₀ is 1,855 mg/kg of body weight. Clinical signs observed were: weakness, stained and wet perineal area, stained face, alopecia, lethargy, labored breathing, salivation, prostration, humped posture, moribundity, piloerection and weight loss. Deaths occurred up to 13 days after dosing.

Procedure: The test material, as an aqueous suspension in distilled water, was administered by intragastric intubation in single doses to 5 groups of 10 young adult CrI:CD[®] male rats. A range-finding study was conducted to determine the initial dose level for the LD50 test.** The surviving rats were weighed and observed during a 14-to 15-day recovery period and then sacrificed. The LD50 value was calculated from the mortality data using the method of D. J. Finney.***

Results:

<u>Dose (mg/kg)</u>	<u>Average Body Weight (g)</u>	<u>Suspension (%)</u>	<u>Average Dose (mL)</u>	<u>Mortality Ratio</u>	<u>LD50****</u>
2,000	258	12	4.30	8/10	1,855 mg/kg
1,900	245	10	4.60	9/10	
1,800	244	10	4.37	2/10	
1,600	250	10	4.00	0/10	
1,100	245	6	4.49	0/10	

Clinical Signs:

Weight loss and weakness at all levels tested; stained and wet perineal area, and stained face at all levels tested except 1,100 mg/kg; alopecia at 2,000, 1,600 and 1,100 mg/kg; lethargy, labored breathing, and salivation at 1,900 mg/kg; prostration at 2,000 and 1,900 mg/kg; humped posture at 1,900 and 1,800 mg/kg; moribundity at 2,000 mg/kg, and piloerction at 1,800 mg/kg. Deaths occurred up to 13 days after dosing.

* Purity: [REDACTED]

Synonym: o [REDACTED]
o [REDACTED]

**Range-finding Study (1 Rat/Dose Level)

<u>Dose (mg/kg)</u>	<u>Results</u>
7500	died
5000	died
3400	died
2250	survived
670	survived

***Finney, D. J., Probit Analysis, 3rd Ed., 1971, Cambridge University Press.

****95% Confidence Limits:

Lower: 1778 mg/kg
Upper: 1913 mg/kg
Slope: 41

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