

ACUTE TOXICITY IN MICE

COMPOUND 3-Hydroxy-3-methylbutanoic acid (Tur 13)

SOURCE Lorillard - Organic Chemistry LORILLARD NO. OR39-23 LOT NO. A4

DATE RECEIVED Unk. TESTED 12/28/78 REPORTED 5/3/79
10/6/80, Update

INVESTIGATOR(S) H. S. Tong & M. S. Forte' NOTEBOOK/PAGE BI014-23

SIGNATURE(S) H. S. Tong M. S. Forte' (by A. Poole)

STRAIN OF MICE Swiss-Webster MALE ☒ FEMALE ☐ DATE RECEIVED Unk.

AVERAGE WEIGHT/RANGE (GM) _____ SOURCE Camm Research

ROUTE OF COMPOUND ADMINISTRATION ☒ P.O. ☐ I.P. ☐ I.V. ☐ INHALATION

COMPOUND VEHICLE ☒ .5 % METHYL CELLULOSE ☐ CORN OIL ☐ SALINE ☐ OTHER _____

GROUP NO.	% SOLUTION	DOSAGE (mg/kg BODY WEIGHT)	RESULTS (NO. DEAD/NO. TESTED)
1	5	1800	1/6
2	10	2160	0/6
3	10	2592	0/6
4	10	3732	3/6
5	10	4479	6/6

REFERENCE FOR CALCULATION Litchfield, J. T. and Wilcoxin, F., J. of Pharmacol.
and Exper. Ther., 90:99, 1948.

LD50 (95% CONFIDENCE LIMITS) 3.5 (3.1 to 3.9) g/kg

CONCLUSION This compound appears to act as a CNS depressant with symptoms
of respiratory depression, constriction of blood vessels, and in-
activity. Survivors recovered in 48 hours. The recommended safe
dose for a single trial by inhalation in man is 0.3 mg.

Copies to the Following: Dr. H. J. Minnemeyer
Ms. L. B. Gray

00040534

Manuscript Review Form

TOBACCO SCIENCE

Registration No. 533

Date March 18, 1968

AUTHORS Andrew G. Kallianos, Richard E. Means, James D. Mold

TITLE "Effect of Nitrates in Tobacco on the Catechol Yield in
Cigarette Smoke"

REVIEW COMPLETED 3/29/68 RECOMMENDATION: X APPROVE IN ITS
PRESENT FORM; NOT APPROVE (Give reasons below); APPROVE TENTATIVELY,
SUBJECT TO THE FOLLOWING SUGGESTED REVISIONS: (itemize below):

Page 4 - Last line should be Mass spectrometric, instead of
Mass spectroscopic.

00070353

NOTE—Execute in triplicate using additional sheets if more space is required. Retain the third copy for your file. Return the original (signed) and the first carbon (*unsigned*) along with the manuscript to this office. The unsigned copy and the manuscript will be returned to the author for his consideration.

Date: September 21, 1976

Sample No. 6030

Type of Cigarette 85 mm Filter

Batch Size 50 lbs.

Original Request Made By Dr. A. W. Spears on September 21, 1976

Sample Specifications Written By W. E. Routh Additional Spray ~~NEXTOL~~

<u>BLEND</u>	<u>CASING</u>	<u>RECASING</u>	<u>FINAL FLAVOR</u>	
OGS	OGS	OGS	OGS	3.4% PMO in EtOH

Cigarettes

Maker AMF
Length 85 mm
Circumference 25.0
Weight To be det. (803 mg tobacco)
Pressure Drop To be determined
Filter Length 20 mm
Paper 554
Tipping Paper 30 mm

Filters

Kind 20 mm True plastic rod
Process _____
Rod Length _____
Pressure Drop _____
Circumference _____
Weight _____
Plasticizer _____
Plug Wrap _____

Tipping

Labels White
Closures Blue
Tear Tape White
Cartons "
Markings Sample No. on
overwrap

Responsibility

Tobacco Blend Ammons
Filter Production Wicker
Making & Packing Brown/Routh
Shipping Routh
Sample Requisition "
[Form 02:02:06]

Requirements

Laboratory 3 cartons
Other 20,000 cigts.

Special Requirements

Spray 50 lbs. tobacco with solution of 880 g (= 1.94 lbs.) PMO in 1175 ml of denatured alcohol. This should give 3.4% PMO add-on (3.3% PMO contained) assuming 88% spraying efficiency. PMO delivery from 85 mm cigarette smoked to 30 mm butt should be 6.5 mg/cig.

Laboratory Analysis

Smoke Analysis
PMO Analysis

Reports

Written by P. D. Schickedantz
Original to Dr. A. W. Spears
Copies to Dr. F. J. Schultz
Dr. H. J. Minnemeyer

00093726

H. J. Minnemeyer
Manager, ~~Product Development~~
Research

Date: 7/16/68

Sample No. 5031

Original request made by Mr. C. L. Tucker, Jr. on 7/10/68

Sample specifications written by John H. M. Bohlken

BLEND

CASING

RECASING

FINAL FLAVOR

MENTHOL FLAVOR

OLD GOLD STRAIGHT Tobacco Blend

Control for Sample No. 5030

Cigarettes:

Brand ----- OLD GOLD STRAIGHT
Length ----- 85 mm.
Circumference--- 25.3 mm.
Paper ----- Ecusta 556
Firmness ----- OLD GOLD STRAIGHT
Draw ----- OLD GOLD STRAIGHT
Weight ----- OLD GOLD STRAIGHT
Tipping Paper -- --
Print----- OLD GOLD STRAIGHT
Filter Length--- --

Wrappings:

Labels ---- OLD GOLD STRAIGHT
Closures--- Standard Blue
Tear Tape-- Gold
Cartons --- OLD GOLD STRAIGHT
Markings-- Sample number on each
pack and carton

Requirements:

Laboratory ----- One Tray
Others -----

Laboratory Analysis:

Tars and Nicotine, Taste Panel, Burning Time, Gas Phase Analysis,
Benzo (A) Pyrene Analyses - 7-16-68 - C. L. ASSITER

Responsibility:

Tobacco Blend ----- Manufacturing - A. Kraus
Filter Production--- --
Making & Packing --- Product Development , John H. M. Bohlken
Shipping -----

Reports:

Written by -- John H. M. Bohlken
Original to - Mr. C. L. Tucker, Jr.
Copies to --- Dr. A. W. Spears

002833913

Charles L. Tucker, Jr.

GREY ADVERTISING INC. - MEETING REPORT

FEB 23 1982

CLIENT: Brown & Williamson

DATE: 1/19/82 **NO.** V82-2 R1

PRODUCT: Viceroy

PLACE: Telephone

PRESENT: (For the client)

DATE OF REPORT: 2/17/82

T. Parrack

(For the agency)

P. Hendricks

SUMMARY:

Written by: P. Hendricks

CONFIDENTIAL

Client confirmed agreement for Agency to pay advance to photographer, with official signed estimate to follow, for Viceroy shoot week of 1/25/82. This was agreed to by T. Parrack and A. Forsythe at the January 18 pre-production meeting.

PH:mg

cc: R. Schoenfein
S. Dammers
P. Hendricks

670121460

BROWN & WILLIAMSON TOBACCO CORPORATION
**MATERIAL SPECIFICATION OR DESIGN
 CHANGE AUTHORIZATION**

NEW ITEMDESCRIPTION VICEROY Rich Lights 100's 20's LabelBRAND(S) VICEROY Rich LightsDESIGN NO. 81-257 UPC NO. 272972 MATERIAL NO. 50-034A

TYPE CHANGE:

USE:

☒ OFFICIAL☐ TEMPORARY☒ DOMESTIC☐ MILITARY
EXPORT☐ GENERAL
EXPORT☐ CUSTOMER
SPEC.

(GRAVURE)

Is a material or dimensional change also involved? ☐ YES ☒ NO

If yes, supply details:

BRANCH	LOUISVILLE	PETERSBURG	MACON	WINSTON SALEM
SCHEDULE: DATE OF INVENTORY DEPLETION	10/30/81			
DELIVERY DATE	10/16/81			

REPLACEMENTDESCRIPTION VICEROY Rich Lights 100's 20's LabelDESIGN NO. 80-15 UPC NO. 272972 MATERIAL NO. 50-034

BRANCH	LOUISVILLE	PETERSBURG	MACON	WINSTON-SALEM
INVENTORY DEPLETION DATE	10/30/81			

COMMENTS:

Material #50-034A has been assigned to the VICEROY Rich Lights 100's 20's Label with new bottom panel. Bottom now incorporates shield. On both side and bottom panels, "VICEROY" and "Rich Lights" have been inverted. Cartons and labels must change design simultaneously. The current design cannot be used in production after 10/30/81.

Copies to: J. F. Banks
 C. Lamb
 C. L. Domeck
 J. W. Webb
 L. C. Lanham
 Branch QC
 Branch Supply

QNE: S. T. Beasley (MRS.)/jlf

DATE: 9/17/81

680115980

A-27

AMES ASSAY FOR MUTAGENICITY

COMPOUND: 2,4-Dihydroxypyridine

SOURCE: Lorillard - Organic Chemistry LORILLARD NO.: OR61-2

LOT NO.: _____

DATE RECEIVED: 9/3/80 TESTED: 9/10/80-10/10/80 REPORTED: 10/10/80

INVESTIGATOR(S): H. S. Tong & A. A. Poole NOTEBOOK/PAGE: BIO7-24

SIGNATURE(S):

H. S. Tong A. A. Poole

TOXICITY (% SURVIVAL)

	50	80	100
CONCENTRATION (mg/ml)		.5	

SOLVENT: ☒ DMSO ☐ WATER

☐ OTHER _____

S. TYPHIMURIUM

CONTROL REVERTANTS PER
PLATE (0.05 ml SOLVENT)

TA1535		TA100		TA98			
(-)S-9	(+)S-9	(-)S-9	(+)S-9	(-)S-9	(+)S-9	(-)S-9	(+)S-9
4.67	8.00	123.00	135.33	3.33	16.00		

COMPOUND (ug/plate)

REVERSION RATE (TEST REVERTANTS/CONTROL REVERTANTS PER PLATE)

500		.92		.88		.96	
250	1.00	.79	.97	.97	.90	.92	
125		.83		.92		.85	

POSTIVE CONTROL
(ug/plate)

2-AMINOANTHRACENE

4	1.20	8.63	1.39	7.26	1.80	27.69	
2	.86	4.75	1.24	6.07	.30	24.13	

CONCLUSION: This compound is judged non-mutagenic in this test system.

Copies to the Following: Dr. H. J. Minnemeyer
Ms. L. B. Gray

00836244

COMPOUND PHYSICAL PARAMETERS

LRC FILE NUMBER

A30

LOT NUMBER

PHYSICAL STATE

Clear Colorless liquid

pH

The pH of a 50% concentration of A30 in (52.6% dioxane/)water was calculated to be 8.13 at 24°C according to the extrapolation procedures by Dr. P. D. Schickedantz, Lorillard Research Center Accession Number 1662, Reference OR 83-81.

SOLUBILITY

(See SOP for Biological Solutions)

ORAL

Reference OR 100-32

.5g A30 soluble in .5 mL corn oil at room temperature.

ACUTE CARDIOVASCULAR

(See SOP for Determination of Solubility of Materials for Acute Cardiovascular and Respiratory Effects Study in Beagle Dogs)

Reference OR 100-32

.2 mg A30 soluble in .5 mL 10% propylene glycol solution at 38°C. Add A30 to warm (38°C) propylene glycol; add warm water to make 10% propylene glycol solution.

STORAGE RECOMMENDATIONS:

Refrigerate in amber bottle at no more than 8°C.

COMPOUND SENSITIVE TO

☐ AIR ☐ HEAT ☐ MOISTURE ☐ OTHER _____

SAFETY COMMENTS (SUGGESTED HANDLING PROCEDURES)

00836616

SIGNATURE

W. G. Long


DATE

8/10/82

LORILLARD RESEARCH CENTER

FORM B (7-82)

COMPOUND PHYSICAL PARAMETERS

LRC COMPOUND CODE A32		DATE 11/13/81	
MOLECULAR WEIGHT 200.29	SOLUBILITY <input type="checkbox"/> WATER <input type="checkbox"/> OTHER	<input type="checkbox"/> MEASURED	<input type="checkbox"/> ESTIMATED AMOUNT g/100ml
CLASS <input type="checkbox"/> ACID <input type="checkbox"/> BASE <input type="checkbox"/> SALT <input type="checkbox"/> OTHER			
REACTIVITY		DESCRIPTION OF REACTIVITY	
		WITHOUT HEATING	WITH HEATING (80°C)
1) WATER or BRINE:	<input type="checkbox"/> UNCHANGED <input type="checkbox"/> DECOMPOSITION	<input type="checkbox"/> UNCHANGED <input type="checkbox"/> DECOMPOSITION	<input type="checkbox"/> UNCHANGED <input type="checkbox"/> DECOMPOSITION
2) 5% HCL:	<input type="checkbox"/> UNCHANGED <input type="checkbox"/> DECOMPOSITION	<input type="checkbox"/> UNCHANGED <input type="checkbox"/> DECOMPOSITION	<input type="checkbox"/> UNCHANGED <input type="checkbox"/> DECOMPOSITION
3) 5% NaOH:	<input type="checkbox"/> UNCHANGED <input type="checkbox"/> DECOMPOSITION	<input type="checkbox"/> UNCHANGED <input type="checkbox"/> DECOMPOSITION	<input type="checkbox"/> UNCHANGED <input type="checkbox"/> DECOMPOSITION
4) ALCOHOLS:	<input type="checkbox"/> UNCHANGED <input type="checkbox"/> DECOMPOSITION	<input type="checkbox"/> UNCHANGED <input type="checkbox"/> DECOMPOSITION	<input type="checkbox"/> UNCHANGED <input type="checkbox"/> DECOMPOSITION
5) OXYGEN:	<input type="checkbox"/> UNCHANGED <input type="checkbox"/> DECOMPOSITION	<input type="checkbox"/> UNCHANGED <input type="checkbox"/> DECOMPOSITION	<input type="checkbox"/> UNCHANGED <input type="checkbox"/> DECOMPOSITION
6) LIGHT:	<input type="checkbox"/> UNCHANGED <input type="checkbox"/> DECOMPOSITION	<input type="checkbox"/> UNCHANGED <input type="checkbox"/> DECOMPOSITION	<input type="checkbox"/> UNCHANGED <input type="checkbox"/> DECOMPOSITION
SAFETY COMMENTS (SUGGESTED HANDLING PROCEDURE):			
CHEMICAL PURITY		ANALYTICAL METHOD(S)	
STORAGE RECOMMENDATIONS <input type="checkbox"/> NORMAL STORAGE <input checked="" type="checkbox"/> SPECIAL STORAGE Refrigerate in amber bottle at no more than 8°C			
COMPOUND SENSITIVE TO: <input type="checkbox"/> AIR <input type="checkbox"/> HEAT <input type="checkbox"/> LIGHT <input type="checkbox"/> MOISTURE <input type="checkbox"/> OTHER _____			
COMMENTS <p><u>pH</u> - The pH of a 50% concentration of A32 in a 52.6% dioxane/water solution was calculated to be 2.92 at 22°C according to the extrapolation procedures by Dr. P. D. Schickedantz, Lorillard Research Center Accession No. 1662, Reference OR 83-125.</p> <p><u>Solubility</u> (See SOP for Biological Solutions)</p> <p><u>Oral</u> - 5g A32 forms a suspension with stirring in 10 ml 1% Tween 80 at room temperature. Reference OR 72-151.</p> <p><u>Acute Cardiovascular</u> - Mix 2 mg A32 with 0.2 ml 80% propylene glycol and grind lightly. Add 0.8 ml saline solution. A32 is a suspension in this mixture at room temperature. Reference OR 72-152.</p>			
SIGNATURE 		DATE 11/16/82	

DECISION TREE ESTIMATION OF TOXIC RISK

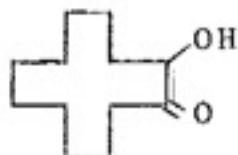
NAME Paul Schickedantz, Jack Reid

DATE 12-4-80

COMPOUND NAME

2-Hydroxycyclododecanone

STRUCTURE



ESTIMATED TOXICITY CLASS II

LORILLARD COMPOUND CODE NUMBER A41

COMMENTS:

This carbocyclic keto alcohol was placed in estimated toxicity class II due to the direct attachment of the ketone to the cyclic nucleus.

00838511

INFORMATION SEARCH SUMMARY

TYPE		
CHEMICAL <input type="checkbox"/>	BIOLOGICAL <input type="checkbox"/>	COMBINED <input checked="" type="checkbox"/>
NAME Jimmy Bell		DATE May 27, 1982
COMPOUND NAME Valerian Fluid Extract		
LORILLARD COMPOUND CODE B73		REGISTRY NUMBER (if applicable) N/A
LITERATURE SURVEYED		DATES REVIEWED
<p>II. (cont'd)</p> <p>Toxline</p> <p>Registry of the Toxic Effects of Chemicals</p> <p><i>Ann C. Stringfield</i> Ann C. Stringfield, M.L.S. Literature Chemist</p>		<p>1974- Jan. 1982</p> <p>to Dec. 1981</p>
<p>III. <u>SUPPLEMENTAL LITERATURE SEARCH</u></p> <p>Chemical Abstracts Vol. 23 - Vol. 65</p> <p>Arctander's Perfume and Flavor Materials of Natural Origin (1960)</p> <p>Guenther's Monographs on Fragrance Raw Materials (1979)</p> <p>Tobacco Abstracts</p> <p>U. S. Dispensatory 23rd edition (1943)</p> <p><i>Jimmy H. Bell</i> Jimmy H. Bell B. Sc. Scientist</p>		<p>1929-1966</p> <p>1957- Dec. 1981</p>

00851772

MAY 26 1981

ADDENDUM I

DAWSON RESEARCH CORPORATION
Protocol Change Order No. 1

Protocol LRC-5A

Date 5-13-81Subject Change in the time of the Pre-dose Biomicroscopic ExaminationAuthorized by Dr. Connie Stone Date 5-13-81 Method Verbal-Phone
(Means of communication)Authorized to Mr. Charles Burns

Estimated cost of the study will be:

☒ increased ☐ decreased ☐ not affected

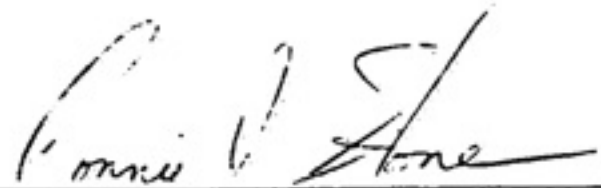
Description of change order:

Section III. A. 2nd paragraph - the first sentence is to be changed to read as follows:

Twenty-four to 30 hours prior to dosing, both eyes of each rabbit will be examined by an experienced investigator using a slit lamp biomicroscope.

The change was made so the protocol more closely conforms with the proposed regulations as stated in the Federal Register, Vol. 44, No. 145, 772.112-24 Primary Eye Irritation Study.

00851879


Sponsor Signature 5/19/81
Study Director Signature 5/14/81

PROJECT SHEET

**HAZLETON**

LABORATORIES AMERICA, INC.

9200 LEESBURG TURNPIKE
VIENNA, VIRGINIA 22180
U.S.A.

DATE ISSUED <u>December 13, 1983</u>		PROJECT SHEET NO. <u>4</u>		PROJECT NO. <u>642-149</u>	
STUDY TITLE & PROPOSAL NUMBER <u>14-Day Single Dose Subacute Toxicity Study</u>		3212		PROJECT COORDINATOR <u>D. Serota</u> SIGNATURE: <u>[Signature]</u>	
TEST MATERIAL(s) <u>B121</u>		LOT NO.(s)		RECEIPT DATE(s) <u>11/18/83</u>	LH-NUMBER(s) <u>21,017</u>
PERFORMING DEPARTMENTS (4 COPIES EACH: DIRECTOR) <u>Acute/Dermal Toxicology</u>		ORIGINAL SIGNED PROJECT SHEETS TO <u>PSO</u> <u>FIXED DISTRIBUTION: (1 COPY TO EACH)</u> DIR. OF LIFE SCIENCES HEALTH SERVICES COMPOUND PREP (TOX) SCIENTIFIC RES (TOX) LAB ANIMAL MEDICINE QUALITY ASSURANCE CONTRACTS Sponsor			
PROTECTIVE PRECAUTIONS REQUIRED: <u>HAZARDOUS COMPOUND</u> EXPLOSIVE _____ CARCINOGEN (OSHA) _____ FLAMMABLE _____ CARCINOGEN (OTHER) _____ RADIOACTIVE _____		FOLLOW DEPARTMENT AND COMPANY SAFETY MANUALS <input checked="" type="checkbox"/>			
PHYSICAL DESCRIPTION: SOLID <u>X</u> LIQUID _____ PRESSURIZED _____ <u>Brown</u> COLOR _____		STORAGE CONDITIONS <input type="checkbox"/> STORE IN DARK <input checked="" type="checkbox"/> REFRIGERATOR 8°C <input type="checkbox"/> ROOM TEMPERATURE <input type="checkbox"/> SPECIAL INSTRUCTIONS WHILE DOSING: <input type="checkbox"/> DESSICATOR <input type="checkbox"/> FREEZER <input type="checkbox"/> OTHER _____			

EXPERIMENTAL PROCEDURES to be performed in Acute/Dermal Toxicology, building 18.

This project sheet is issued to correct Project Sheet which was issued on December 6, 1983 to Project Sheet No. 3 instead of 2.

Material Safety Data Sheet is attached to Project Sheet 1.

00860012

COMPOUND PHYSICAL PARAMETERS

IRG FILE NUMBER

B164

LOT NUMBER

PHYSICAL STATE

Brownish-gray powder

DM

The pH of a 50% concentration of B164 in water was calculated to be 4.82 at 25°C according to the extrapolation procedures by Dr. P. D. Schickedantz, Lorillard Research Center Accession Number 1662.

SOLUBILITY

(See SOP for Biological Solutions)

ORAL

Reference: BC20-48

B164 forms a suspension in corn oil at 0.5 g/1.5 ml

Triple dosing is required

ACUTE CARDIOVASCULAR

(See SOP for Determination of Solubility of Materials for Acute Cardiovascular and Respiratory Effects Study in Beagle Dogs)

Reference: BC20-48

B164 is insoluble according to this procedure

STORAGE RECOMMENDATIONS

Refrigerate in amber glass bottle at no more than 8°C

COMPOUND SENSITIVE TO

☐ AIR ☐ HEAT ☐ HUMIDITY ☐ OTHER _____

SAFETY COMMENTS (SUGGESTED HANDLING PROCEDURE)

SIGNATURE

Amelia Poole

DATE

8/22/83

00865872

PROJECT SHEET

**HAZLETON**

LABORATORIES AMERICA, INC.

9200 LEESBURG TURNPIKE
VIENNA, VIRGINIA 22180
USA

B166

DATE ISSUED <u>Oct. 11, 1983</u>		PROJECT SHEET NO. <u>1</u>		PROJECT NO. <u>642-138</u>	
STUDY TITLE & PROPOSAL NUMBER <u>3212</u> <u>Acute Intraperitoneal Toxicity Study in Rats</u>			PROJECT COORDINATOR <u>D. Serata</u> SIGNATURE: <u>[Signature]</u>		
TEST MATERIAL(s) <u>B166</u>			LOT NO.(s)		RECEIPT DATE(s) <u>9/28/83</u>
					LH-NUMBER(s) <u>20,845</u>
PERFORMING DEPARTMENTS (4 COPIES EACH DIRECTOR) <u>Acute/Dermal Toxicology</u>			ORIGINAL SIGNED PROJECT SHEETS TO <u>PSO</u> FIXED DISTRIBUTION: (1 COPY TO EACH) DIR. OF LIFE SCIENCES HEALTH SERVICES COMPOUND PREP (TOX) SCIENTIFIC RES (TOX) LAB ANIMAL MEDICINE QUALITY ASSURANCE CONTRACTS Sponsor <input checked="" type="checkbox"/>		
PROTECTIVE PRECAUTIONS REQUIRED: <u>HAZARDOUS COMPOUND</u> EXPLOSIVE _____ CARCINOGEN (OSHA) _____ FLAMMABLE _____ CARCINOGEN (OTHER) _____ RADIOACTIVE _____			FOLLOW DEPARTMENT AND COMPANY SAFETY MANUALS <input checked="" type="checkbox"/>		
PHYSICAL DESCRIPTION: SOLID _____ LIQUID <u>X</u> <u>Colorless</u> COLOR _____ PRESSURIZED _____			STORAGE CONDITIONS <input type="checkbox"/> STORE IN DARK <input type="checkbox"/> DESSICATOR <input checked="" type="checkbox"/> REFRIGERATOR 8°C <input type="checkbox"/> FREEZER <input type="checkbox"/> ROOM TEMPERATURE <input type="checkbox"/> OTHER _____ <input type="checkbox"/> SPECIAL INSTRUCTIONS WHILE DOSING		

EXPERIMENTAL PROCEDURES to performed in Acute/Dermal Toxicology, building 18.

The protocol for this study is attached.

The protocol was approved in sponsor letter of June 6, 1983.

The anticipated initiation date of this study is October 1983.

The anticipated completion date of this study is November 1983.

00866042

<input type="checkbox"/> PURCHASING <input type="checkbox"/> STATIONARY		PURCHASE REQUISITION PLEASE INCLUDE ONLY ONE TYPE OF MATERIAL ON THIS REQUISITION		P.O. 1534 REV.10/79 LT-10-79		DATE March 27, 1984	
VENDOR Borrison Laboratories, Inc., 5050 Beech Place Temple Hills, MD 20748		FOR PURCHASING DEPARTMENT USE ONLY				ORDER NO.	
TERMS NET 15		F.O.B. N/A		VIA N/A		Prev. or Recommended Supplier	
SHIP TO (DEPT., BRANCH) Lorillard Research Center Attn: Dr. Connie Stone					DATE WANTED As required		
420 English Street Greensboro, NC 27405							
QUANTITY	CODE	DESCRIPTION				UNIT PRICE	
		This is your authorization to perform the "Acute Oral Toxicity Study in the Rat"					
		tests on materials D13 and D23 supplied by Lorillard. The fixed price for each					
		test is \$2050 for each material, for a total price of \$4100. Studies are to be					
		conducted in accordance with the October 17, 1980 formal agreement between					
		Borrison and Lorillard. All work is to be coordinated with our Dr. Connie Stone					
		(919) 373-6663.					
						00920222	
FOLLOW UP DATE		REQUISITION NO.			ISSUED BY		
BUDGET NO.		ACCT. NO.		DEPT. NO.		APPROVED BY	
		4111		9590		H. J. Minnemeyer	

RJR Mailfile Table Update Sheet

Alert Number 970220

To: RJR IR - Suzi/Art
From: Drew Huyett
Date: 3/7/97

Program Group 102-Eclipse
System Corp/Multibrand

Mailfile ID: 3,984 Mailfile Description Mail Order - Indy Responders
(Completed by IR) Dataset Name (Completed by IR)

Quantity: 273
Maildate: 3/17/97
Program #: 700418

BRC Codes w81-carton order form

T Codes NA

Seeds25.....
Suppression5....

Mailfile Cells

1	HD	home delivery
2	SP	sneak preview
3		
4		
5		
6		
7		
8		
9		
10		

Notes

This is for notes

51673 4300