Test Type: 14-DAY

Route: GAVAGE

Species/Strain: Mouse/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/19/2014 Time Report Requested: 07:37:23

First Dose M/F: NA / NA

Lab: MBA

C Number: C99037

Lock Date: 01/24/2002

Cage Range: All

Date Range: All

Reasons For Removal:

Removal Date Range: All

Treatment Groups: All

Study Gender: Both

PWG Approval Date NONE

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture **CAS Number:** 76231-76-0

Species/Strain: Mouse/B6C3F1

B6C3F1 Mouse Male

Test Type: 14-DAY

Route: GAVAGE

First Dose M/F: NA / NA Lab: MBA

Date Report Requested: 10/19/2014

Time Report Requested: 07:37:23

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	8	8	8	8	8	
V VIIIVAVI ID	0	0	0	0	0]
ANIMAL ID	0	0	0	0	0	l
	0	0	0	0	0	l

VEHICLE CONTROL		8	8	8	8	8	
	ANIMAL ID	0	0	0	0	0	
		0	0	0	0	0	
		Ö	ő	ő	Ö	ő	
		1	2	3	4	5	*TOTALS
Alimentary System							
Esophagus		+	+	+	+	+	5
Gallbladder		+	+	+	+	+	5
Intestine Large, Cecum		+	+	+	+	+	5
Intestine Large, Colon		+	+	+	+	+	5
Intestine Large, Rectum		+	+	+	+	+	5
Intestine Small, Duodenum		+	+	+	+	+	5
Intestine Small, Ileum		+	+	+	+	+	5
Intestine Small, Jejunum		+	+	+	+	+	5
Liver		+	+	+	+	+	5
Pancreas		+	+	+	+	+	5
Salivary Glands		+	+	+	+	+	5
Stomach, Forestomach		+	+	+	+	+	5
Stomach, Glandular		+	+	+	+	+	5
Cardiovascular System							
Blood Vessel		+	+	+	+	+	5
Heart		+	+	+	+	+	5
Endocrine System							
Adrenal Cortex		+	+	+	+	+	5
Adrenal Medulla		+	+	+	+	+	5
Islets, Pancreatic		+	+	+	+	+	5

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

Test Type: 14-DAY
Route: GAVAGE
Species/Strain: Mouse/B6C3F1

CAS Number: 76231-76-0

Date Report Requested: 10/19/2014 Time Report Requested: 07:37:23

First Dose M/F: NA / NA

Lab: MBA

B6C3F1 Mouse Male VEHICLE CONTROL Parathyroid Gland	DAY ON TEST	0 0 1 8 0 0 0 0 1	0 0 1 8 0 0 0 0 0 2	0 0 1 8 0 0 0 0 0 3	0 0 1 8 0 0 0 0 4	0 0 1 8 0 0 0 0 0 5	*TOTALS
			+	+	M	+	3
Pituitary Gland		+		+	IVI	+	3
Thyroid Gland General Body System		+	+	+	'	+	4
NONE Genital System							
Epididymis		+	+	+	+	+	5
Preputial Gland		+	+	+	+	+	5
Prostate		+	+	+	+	+	5
Seminal Vesicle		+	+	+	+	+	5
Testes		+	+	+	+	+	5
Hematopoietic System							
Bone Marrow		+	+	+	+	+	5
Lymph Node, Mandibular		+	+	+	+	+	5
Lymph Node, Mesenteric		+	+	+	+	+	5
Spleen		+	+	+	+	+	5
Thymus		M	+	+	+	+	4
Integumentary System							
Mammary Gland		М	М	М	М	М	0
Skin		+	+	+	+	+	5

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

Route: GAVAGE Species/Strain: Mouse/B6C3F1

Test Type: 14-DAY

CAS Number: 76231-76-0

0 5

5

5

5

5

First Dose M/F: NA / NA

Date Report Requested: 10/19/2014

Time Report Requested: 07:37:23

Lab: MBA

B6C3F1 Mouse Male	DAY ON TEST	0	0 0 1	0 0 1	0 0 1	0 0 1	
VEHICLE CONTROL		8	8	8	8	8	
VEINGEE GOMMOE	ANIMAL ID	0 0 0 0	0 0 0 0 2	0 0 0 0 3	0 0 0 0 4	0 0 0 0 5	*TOTALS
Musculoskeletal System				•	•		
Bone		+	+	1	+	+	4
Skeletal Muscle		+	+	+	+	+	5
Nervous System							
Brain, NOS		+	+	+	+	+	5
Peripheral Nerve, Sciatic		+	+	+	+	+	5
Spinal Cord, Cervical		+	+	+	+	+	5

Special Senses System	
Eye	
Harderian Gland	

Spinal Cord, Lumbar **Respiratory System**

Larynx

Trachea

Lung Nose

Urinary System Kidney 5 5 Urinary Bladder

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

5

Test Compound: alpha/beta Thujone mixture

Route: GAVAGE CAS Number: 76231-76-0

Species/Strain: Mouse/B6C3F1

Test Type: 14-DAY

Date Report Requested: 10/19/2014 Time Report Requested: 07:37:23

First Dose M/F: NA / NA

Lab: MBA

B6C3F1	Mouse Male
VEHICLI	E CONTROL

DAY ON TEST	0	0	0	0	0	
DATI ON ILOT	Ô	Ô	Ô	Ô	Ô	
	1	1	1	1	1	
	8	8	8	8	8	
ANIMAL ID	0	0	0	0	0	
AMIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	0	0	0	0	0	
	1	2	3	4	5	*TOTALS

SYSTEMIC LESIONS

Multiple Organ

I .. Insufficient tissue

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

M .. Missing tissue

A .. Autolysis precludes evaluation

Experiment Number: 99037-02 P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/19/2014 Time Report Requested: 07:37:23

First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST

B6C3F1 Mouse Male 1.0 MG/KG

Species/Strain: Mouse/B6C3F1

ANIMAL ID

*TOTALS

Alimentary System

Test Type: 14-DAY

Route: GAVAGE

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/19/2014 Time Report Requested: 07:37:23

First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST

B6C3F1 Mouse Male MG/KG

Species/Strain: Mouse/B6C3F1

ANIMAL ID

*TOTALS

Respiratory System

Test Type: 14-DAY

Route: GAVAGE

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ 0

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 99037-02 P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/19/2014

Time Report Requested: 07:37:23

First Dose M/F: NA / NA

Lab: MBA

Test Type: 14-DAY **Route:** GAVAGE

Species/Strain: Mouse/B6C3F1

DAY ON TEST

B6C3F1 Mouse Male 3.0 MG/KG

ANIMAL ID

*TOTALS

Alimentary System

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

Species/Strain: Mouse/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Time Report Requested: 07:37:23 First Dose M/F: NA / NA

Date Report Requested: 10/19/2014

Lab: MBA

DAY ON TEST

B6C3F1 Mouse Male MG/KG 3.0

ANIMAL ID

*TOTALS

Respiratory System

Test Type: 14-DAY

Route: GAVAGE

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ 0

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

Experiment Number: 99037-02 P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/19/2014 Time Report Requested: 07:37:23

First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST

B6C3F1 Mouse Male 10.0 MG/KG

Species/Strain: Mouse/B6C3F1

ANIMAL ID

*TOTALS

Alimentary System

Test Type: 14-DAY

Route: GAVAGE

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X .. Lesion present

Species/Strain: Mouse/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/19/2014 Time Report Requested: 07:37:23

First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST

B6C3F1 Mouse Male 10.0 MG/KG

ANIMAL ID

*TOTALS

Respiratory System

Test Type: 14-DAY

Route: GAVAGE

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ 0

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Type: 14-DAY

Experiment Number: 99037-02

Test Compound: alpha/beta Thujone mixture

Route: GAVAGE

CAS Number: 76231-76-0 Species/Strain: Mouse/B6C3F1

First Dose M/F: NA / NA

Date Report Requested: 10/19/2014

Time Report Requested: 07:37:23

Lab: MBA

B6C3F1 Mouse Male 30.0 MG/KG

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
ANUMAL ID	1	1	1	1	1
	8	8	8	8	8
	0	0	0	0	0
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	4	4	4	4	4 5
	1_	2	3	4	5

*TOTALS

Alimentary	y System
------------	----------

Alimentary System						
Esophagus	+	+	+	+	+	5
Gallbladder	+	+	+	1	+	4
Intestine Large, Cecum	+	+	+	+	+	5
Intestine Large, Colon	+	+	+	+	+	5
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	+	+	+	+	+	5
Intestine Small, Ileum	+	+	+	+	+	5
Intestine Small, Jejunum	+	+	+	+	+	5
Liver	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	+	+	+	+	+	5
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	+	+	+	+	+	5
Cardiovascular System						
Blood Vessel	М	+	+	+	+	4
Heart	+	+	+	+	+	5
Endocrine System						
Adrenal Cortex	+	+	+	+	+	5
Adrenal Medulla	+	+	+	+	+	5
Islets, Pancreatic	+	+	+	+	+	5

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Species/Strain: Mouse/B6C3F1

Experiment Number: 99037-02

Test Type: 14-DAY

Route: GAVAGE

First Dose M/F: NA / NA Lab: MBA

Date Report Requested: 10/19/2014

Time Report Requested: 07:37:23

B6C3F1 Mouse Male	DAY ON TEST	0 0 1	0 0 1	0 0 1	0 0 1	0 0 1	
30.0 MG/KG	ANIMAL ID	8 0 0 0 4 1	8 0 0 0 4 2	8 0 0 0 4 3	8 0 0 0 4 4	8 0 0 0 4 5	*TOTALS
Parathyroid Gland		M	+	M	+	+	3
Pituitary Gland		+	+	М	+	+	4
Thyroid Gland		+	+	+	+	+	5
General Body System							
NONE							
Genital System							
Epididymis		+	+	+	+	+	5
Preputial Gland		+	+	+	+	+	5
Prostate		+	+	+	+	+	5
Seminal Vesicle		+	+	+	+	+	5
Testes		+	+	+	+	+	5
Hematopoietic System							
Bone Marrow		+	+	+	+	+	5
Lymph Node, Mandibular		+	М	+	M	+	3
Lymph Node, Mesenteric		+	+	+	+	+	5
Spleen		+	+	+	+	+	5
Thymus		+	+	+	+	+	5
Integumentary System							
Mammary Gland		М	М	М	М	М	0
Skin		+	+	+	+	+	5

M ..Missing tissue

A .. Autolysis precludes evaluation

 $^{^{\}star}\,$..Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture CAS Number: 76231-76-0

Route: GAVAGE Species/Strain: Mouse/B6C3F1

Test Type: 14-DAY

First Dose M/F: NA / NA

Lab: MBA

Date Report Requested: 10/19/2014

Time Report Requested: 07:37:23

	DAY ON TEST	0	0	0	0	Ī
B6C3F1 Mouse Male		0 1	0	0	0	
30.0 MG/KG		8	8	8	8	l
	ANIMAL ID	0	0	0	0	Ī
	,	()	1 ()	1 ()	(()	1

B6C3F1 Mouse Male 30.0 MG/KG		0 1 8	0 1 8	0 1 8	0 1 8	0 1 8	
	ANIMAL ID	0 0 0 4	0 0 0 4	0 0 0 4	0 0 0 4	0 0 0 4	********
Musculoskeletal System		1	2	3	4	5	*TOTALS
Bone		+	+	+	+	+	5
Skeletal Muscle Nervous System		+	+	+	+	+	5
Brain, NOS		+	+	+	+	+	5
Peripheral Nerve, Sciatic		+	+	+	+	+	5
Spinal Cord, Cervical		+	+	+	+	+	5
Spinal Cord, Lumbar Respiratory System		+	+	+	+	+	5
Larynx		+	ı	+	+	М	3
Lung		+	+	+	+	+	5
Nose		+	+	+	+	+	5
Trachea		+	+	+	+	+	5
Special Senses System							
Eye		+	+	+	+	+	5
Harderian Gland Urinary System		+	+	+	+	+	5
Kidney		+	+	+	+	+	5

Urinary Bladder

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

5

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

5

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Route: GAVAGE
Species/Strain: Mouse/B6C3F1

Test Type: 14-DAY

oer: 76231-76-0

Lab: MBA

Date Report Requested: 10/19/2014

Time Report Requested: 07:37:24

First Dose M/F: NA / NA

B6C3I	-1 M	ouse	Male
30.0	MG/	KG	

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	8	8	8	8	8	
ANIMAL ID	0	0	0	0	0	
AMIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	4	4	4	4	4	
	1	2	3	4	5	*TOTALS

SYSTEMIC LESIONS

Multiple Organ + + + + +

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture CAS Number: 76231-76-0

Species/Strain: Mouse/B6C3F1

Experiment Number: 99037-02

Test Type: 14-DAY

Alimentary System

Route: GAVAGE

First Dose M/F: NA / NA Lab: MBA

Date Report Requested: 10/19/2014

Time Report Requested: 07:37:24

B6C3I	-1 Mou	ıse N	lale
100	MG/K	G	

DAY ON TEST	0	0	0	0	0
	0	0	0	0	0
	1	1	1	1	1
	0	1	1	5	6
V VIII VVI ID	0	0	0	0	0
ANIMAL ID	0	0	0	0	0
	0	0	0	0	0
	5	5	5	5	5
	4	3	5	1	2

*TOTALS

, illinomary Cyclom						
Esophagus	+	+	+	+	+	5
Gallbladder	+	Α	+	+	+	4
Intestine Large, Cecum	Α	+	Α	+	+	3
Intestine Large, Colon	Α	+	+	+	+	4
Intestine Large, Rectum	+	+	+	+	+	5
Intestine Small, Duodenum	Α	+	Α	+	Α	2
Intestine Small, Ileum	Α	+	Α	+	Α	2
Intestine Small, Jejunum	Α	Α	Α	+	Α	1
Liver	+	+	+	+	+	5
Pancreas	+	+	+	+	+	5
Salivary Glands	Α	+	+	+	+	4
Stomach, Forestomach	+	+	+	+	+	5
Stomach, Glandular	Α	Α	Α	+	Α	1
Cardiovascular System						

Blood Vessel

Endocrine System Adrenal Cortex Adrenal Medulla Islets, Pancreatic

Heart

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

5

5

5

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

Route: GAVAGE
Species/Strain: Mouse/B6C3F1

Test Type: 14-DAY

CAS Number: 76231-76-0

Date Report Requested: 10/19/2014 **Time Report Requested:** 07:37:24

First Dose M/F: NA / NA

Lab: MBA

B6C3F1 Mouse Male 100 MG/KG	DAY ON TEST ANIMAL ID	0 0 1 0 0 0 0 5 4	0 0 1 1 0 0 0 5 3	0 0 1 1 0 0 0 5 5	0 0 1 5 0 0 0 5 1	0 0 1 6 0 0 0 5 2	*TOTALS
Parathyroid Gland		+	М	+	М	+	3
Pituitary Gland		+	+	+	I	+	4
Thyroid Gland		+	+	+	+	+	5
General Body System							
Tissue NOS					+		1
Genital System							
Epididymis		+	+	+	+	+	5
Preputial Gland		+	+	+	+	+	5
Prostate		+	+	+	+	+	5
Seminal Vesicle		+	+	+	+	+	5
Testes		+	+	+	+	+	5
Hematopoietic System							
Bone Marrow		+	+	+	+	+	5
Lymph Node, Mandibular		Α	+	+	+	+	4
Lymph Node, Mesenteric		+	+	+	+	+	5
Spleen		+	+	+	+	+	5
Thymus		+	+	+	+	+	5
Integumentary System							
Mammary Gland		М	М	М	М	М	0
Skin		+	+	+	+	+	5

 $^{^{\}star}\,$..Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

Route: GAVAGE Species/Strain: Mouse/B6C3F1

Test Type: 14-DAY

CAS Number: 76231-76-0

Date Report Requested: 10/19/2014 Time Report Requested: 07:37:24

First Dose M/F: NA / NA

Lab: MBA

B6C3I	F1 Mouse Male	<i>D</i> /(1
100	MG/KG	

	r						
	DAY ON TEST	0	0	0	0	0	
B6C3F1 Mouse Male		0	0	0	0	0	
100 MG/KG		1 0	1 1	1 1	<i>1</i> 5	1 6	
100 MO/NO	ANIMAL ID	0	0	0	0	0	
	AMINIAL ID	0	0	0	0	0	
		0 5	5	0 5	5	5	l
		4	3	5	1	2	*TOTALS
Musculoskeletal System							
Bone		+	+	+	+	+	5
Skeletal Muscle		+	+	+	+	+	5
Nervous System							
Brain, NOS		+	+	+	+	+	5
Peripheral Nerve, Sciatic		+	+	+	+	+	5
Spinal Cord, Cervical		+	+	+	+	+	5
Spinal Cord, Lumbar		+	+	+	+	+	5
Respiratory System							
Larynx		I	I	I	М	I	0
Lung		+	+	+	+	+	5
Nose		+	Α	+	+	+	4
Trachea		+	+	+	+	+	5
Special Senses System							
Eye		+	+	+	+	+	5
Harderian Gland		+	+	+	+	+	5
Urinary System							
Kidney		+	+	+	+	+	5

Urinary Bladder

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

5

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 99037-02 P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Species/Strain: Mouse/B6C3F1

Test Type: 14-DAY

Route: GAVAGE

First Dose M/F: NA / NA

Time Report Requested: 07:37:24

Date Report Requested: 10/19/2014

Lab: MBA

B6C3I	1 Mouse Male
100	MG/KG

DAY ON TEST	0	0	0	0	0	
	0	0	0	0	0	
	1	1	1	1	1	
	0	1	1	5	6	
V VIIIVAVI ID	0	0	0	0	0	
ANIMAL ID	0	0	0	0	0	
	0	0	0	0	0	
	5	5	5	5	5	
	4	3	5	1	2	

*TOTALS

SYSTEMIC LESIONS

Multiple Organ

END OF MALE DATA

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

Date Report Requested: 10/19/2014

Time Report Requested: 07:37:24

First Dose M/F: NA / NA

Lab: MBA

CAS Number: 76231-76-0

Species/Strain: Mouse/B6C3F1

Experiment Number: 99037-02

Test Type: 14-DAY

Route: GAVAGE

B6C3F1 Mouse Female	DAY ON TEST	0	0	0	0	0	
VEHICLE CONTROL	U	<i>1</i> 8	<i>1</i> 8	<i>1</i> 8	<i>1</i> 8	<i>1</i> 8	
VEHICLE CONTROL	ANIMAL ID	0 0 0 0	0 0 0	0000	0 0 0 0	0 0 0 1	*********
Alimentary System		6	7	8	9	0	*TOTALS
							_
Esophagus		+	+	+	+	+	5
Gallbladder		+	M	M	+	+	3
Intestine Large, Cecum		+	+	+	+	+	5
Intestine Large, Colon		+	+	+	+	+	5
Intestine Large, Rectum		+	+	+	+	+	5
Intestine Small, Duodenum		+	+	+	+	+	5
Intestine Small, Ileum		+	+	+	+	+	5
Intestine Small, Jejunum		+	+	+	+	+	5
Liver		+	+	+	+	+	5
Pancreas		+	+	+	+	+	5
Salivary Glands		+	+	+	+	+	5
Stomach, Forestomach		+	+	+	+	+	5
Stomach, Glandular		+	+	+	+	+	5
Cardiovascular System							
Blood Vessel		+	+	+	+	+	5
Heart		+	+	+	+	+	5
Endocrine System							
Adrenal Cortex		+	+	+	+	+	5
Adrenal Medulla		+	+	+	+	+	5
Islets, Pancreatic		+	+	+	+	+	5

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture **CAS Number:** 76231-76-0

Route: GAVAGE

Test Type: 14-DAY

Species/Strain: Mouse/B6C3F1

Date Report Requested: 10/19/2014 Time Report Requested: 07:37:24

First Dose M/F: NA / NA

Lab: MBA

B6C3F1 Mouse Female VEHICLE CONTROL	DAY ON TEST e ANIMAL ID	0 0 1 8 0 0 0 0 0 6	0 0 1 8 0 0 0 0 0 7	0 0 1 8 0 0 0 0 0 8	0 0 1 8 0 0 0 0 0	0 0 1 8 0 0 0 0 1 0	*TOTALS
Parathyroid Gland		+	+	M	M	+	3
Pituitary Gland		+	+	+	+	+	5
Thyroid Gland General Body System		+	+	+	+	+	5
NONE Genital System							
Clitoral Gland		+	+	+	+	М	4
Ovary		+	+	+	+	+	5
Uterus Hematopoietic System		+	+	+	+	+	5
Bone Marrow		+	+	+	+	+	5
Lymph Node, Mandibular		+	+	+	+	+	5
Lymph Node, Mesenteric		+	+	+	+	+	5
Spleen		+	+	+	+	+	5
Thymus		+	+	+	+	+	5
Integumentary System							
Mammary Gland		+	+	+	+	+	5
Skin Musculoskeletal System		+	+	+	+	+	5
Bone		+	+	+	+	+	5

 $^{^{\}star}\,$..Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I ..Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

Route: GAVAGE Species/Strain: Mouse/B6C3F1

Test Type: 14-DAY

CAS Number: 76231-76-0

First Dose M/F: NA / NA Lab: MBA

Date Report Requested: 10/19/2014

Time Report Requested: 07:37:24

	DAI
B6C3F1 Mouse Female	е
VEHICLE CONTROL	
	/

B6C3F1 Mouse Femal VEHICLE CONTROL	DAY ON TEST e ANIMAL ID	0 0 1 8 0 0 0 0 0 6	0 0 1 8 0 0 0 0 7	0 0 1 8 0 0 0 0 0 8	0 0 1 8 0 0 0 0 0	0 0 1 8 0 0 0 1 0	*TOTALS
Skeletal Muscle		+	+	+	+	+	5
Nervous System							
Brain, NOS		+	+	+	+	+	5
Peripheral Nerve, Sciatic		+	+	+	+	+	5
Spinal Cord, Cervical		+	+	+	+	+	5
Spinal Cord, Lumbar		+	+	+	+	+	5
Respiratory System							
Larynx		+	ı	I	ı	I	1
Lung		+	+	+	+	+	5
Nose		+	+	+	+	+	5
Trachea		+	+	+	+	+	5
Special Senses System							
Eye		+	+	+	+	+	5
Harderian Gland		+	+	+	+	+	5
Urinary System							
Kidney		+	+	+	+	+	5
Urinary Bladder SYSTEMIC LESIONS		+	+	+	+	+	5
Multiple Organ		+	+	+	+	+	5

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 99037-02 P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/19/2014 Time Report Requested: 07:37:24

First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST

B6C3F1 Mouse Female 1.0 MG/KG

Species/Strain: Mouse/B6C3F1

ANIMAL ID

*TOTALS

Alimentary System

Test Type: 14-DAY

Route: GAVAGE

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

Date Report Requested: 10/19/2014

Time Report Requested: 07:37:24

First Dose M/F: NA / NA

Lab: MBA

CAS Number: 76231-76-0

Route: GAVAGE

Test Type: 14-DAY

Species/Strain: Mouse/B6C3F1

DAY ON TEST

B6C3F1 Mouse Female 1.0 MG/KG

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ 0

I ..Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

Experiment Number: 99037-02 P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/19/2014 Time Report Requested: 07:37:24

First Dose M/F: NA / NA

Lab: MBA

DAY ON TEST

B6C3F1 Mouse Female 3.0 MG/KG

Species/Strain: Mouse/B6C3F1

ANIMAL ID

*TOTALS

Alimentary System

Test Type: 14-DAY

Route: GAVAGE

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

Date Report Requested: 10/19/2014

Time Report Requested: 07:37:24

First Dose M/F: NA / NA

Lab: MBA

CAS Number: 76231-76-0

Route: GAVAGE

Test Type: 14-DAY

Species/Strain: Mouse/B6C3F1

DAY ON TEST

B6C3F1 Mouse Female 3.0 MG/KG

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ 0

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

Experiment Number: 99037-02 P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Time Report Requested: 07:37:24 First Dose M/F: NA / NA

Date Report Requested: 10/19/2014

Lab: MBA

DAY ON TEST

B6C3F1 Mouse Female 10.0 MG/KG

Species/Strain: Mouse/B6C3F1

ANIMAL ID

*TOTALS

Alimentary System

Test Type: 14-DAY

Route: GAVAGE

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

X .. Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

Date Report Requested: 10/19/2014

Time Report Requested: 07:37:24

First Dose M/F: NA / NA

Lab: MBA

CAS Number: 76231-76-0

Route: GAVAGE

Test Type: 14-DAY

Species/Strain: Mouse/B6C3F1

DAY ON TEST

B6C3F1 Mouse Female 10.0 MG/KG

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ 0

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

Experiment Number: 99037-02 P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYST

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

First Dose M/F: NA / NA

Date Report Requested: 10/19/2014

Time Report Requested: 07:37:24

Lab: MBA

DAY ON TEST

B6C3F1 Mouse Female 30.0 MG/KG

Species/Strain: Mouse/B6C3F1

ANIMAL ID

*TOTALS

Alimentary System

Test Type: 14-DAY

Route: GAVAGE

NONE

Cardiovascular System

NONE

Endocrine System

NONE

General Body System

NONE

Genital System

NONE

Hematopoietic System

NONE

Integumentary System

NONE

Musculoskeletal System

NONE

Nervous System

NONE

X ..Lesion present

I .. Insufficient tissue

M .. Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

Date Report Requested: 10/19/2014

Time Report Requested: 07:37:24

First Dose M/F: NA / NA

Lab: MBA

CAS Number: 76231-76-0

Route: GAVAGE

Test Type: 14-DAY

Species/Strain: Mouse/B6C3F1

DAY ON TEST

B6C3F1 Mouse Female 30.0 MG/KG

ANIMAL ID

*TOTALS

Respiratory System

NONE

Special Senses System

NONE

Urinary System

NONE

SYSTEMIC LESIONS

Multiple Organ 0

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

CAS Number: 76231-76-0

Date Report Requested: 10/19/2014

Time Report Requested: 07:37:24

First Dose M/F: NA / NA

Lab: MBA

Species/Strain: Mouse/B6C3F1

Experiment Number: 99037-02

Test Type: 14-DAY

Route: GAVAGE

	DAY ON TEST	0	0	0	0	0	
B6C3F1 Mouse Female	e	0 1	0 1	0	0 1	0	
100 MG/KG		1	6	8	8	8	
	ANIMAL ID	0 0 0 5	0 0 0 5	0 0 0 5	0 0 0 5	0 0 0 6	
		6	7	8	9	Ö	*TOTALS
Alimentary System							
Esophagus		+	+	+	+	+	5
Gallbladder		Α	+	+	+	+	4
Intestine Large, Cecum		Α	Α	+	+	+	3
Intestine Large, Colon		+	+	+	+	+	5
Intestine Large, Rectum		+	+	+	+	+	5
Intestine Small, Duodenum		Α	Α	+	+	+	3
Intestine Small, Ileum		Α	Α	+	+	+	3
Intestine Small, Jejunum		Α	Α	+	+	+	3
Liver		+	+	+	+	+	5
Pancreas		+	+	+	+	+	5
Salivary Glands		+	Α	+	+	+	4
Stomach, Forestomach		+	+	+	+	+	5
Stomach, Glandular		Α	Α	+	+	+	3
Cardiovascular System							
Blood Vessel		+	+	+	+	+	5
Heart		+	+	+	+	+	5
Endocrine System							
Adrenal Cortex		+	+	+	+	+	5
Adrenal Medulla		+	М	+	+	+	4
Islets, Pancreatic		+	+	+	+	+	5

M ..Missing tissue

A .. Autolysis precludes evaluation

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

Route: GAVAGE
Species/Strain: Mouse/B6C3F1

Test Type: 14-DAY

CAS Number: 76231-76-0

Date Report Requested: 10/19/2014 **Time Report Requested:** 07:37:24

First Dose M/F: NA / NA

Lab: MBA

B6C3F1 Mouse Female 100 MG/KG	DAY ON TEST e ANIMAL ID	0 0 1 1 0 0 0 5 6	0 0 1 6 0 0 0 5 7	0 0 1 8 0 0 0 0 5 8	0 0 1 8 0 0 0 0 5 9	0 0 1 8 0 0 0 6 0	*TOTALS
Parathyroid Gland		+	+	+	+	+	5
Pituitary Gland		+	Ι	+	+	+	4
Thyroid Gland		+	+	+	+	+	5
General Body System							
NONE Genital System							
Clitoral Gland		+	+	+	М	+	4
Ovary		+	+	+	+	+	5
Uterus		+	Α	+	+	+	4
Hematopoietic System							
Bone Marrow		+	+	+	+	+	5
Lymph Node, Mandibular		+	+	+	+	+	5
Lymph Node, Mesenteric		+	+	+	+	+	5
Spleen		+	+	+	+	+	5
Thymus		+	+	+	+	+	5
Integumentary System							
Mammary Gland Skin		+	++	+	+	+	5 5
Musculoskeletal System							
Bone		+	+	+	+	+	5

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..}Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue

M ..Missing tissue

A .. Autolysis precludes evaluation

Species/Strain: Mouse/B6C3F1

P17: NEOPLASMS BY INDIVIDUAL ANIMAL (SYSTEMIC LESIONS ABRIDGED)

Test Compound: alpha/beta Thujone mixture

Test Type: 14-DAY Route: GAVAGE

CAS Number: 76231-76-0

First Dose M/F: NA / NA

Date Report Requested: 10/19/2014

Time Report Requested: 07:37:24

Lab: MBA

B6C3F1 Mouse Fema 100 MG/KG	DAY ON TEST I e ANIMAL ID	0 0 1 1 0 0 0 5 6	0 0 1 6 0 0 0 5 7	0 0 1 8 0 0 0 0 5 8	0 0 1 8 0 0 0 0 5 9	0 0 1 8 0 0 0 6 0	*TOTALS
Skeletal Muscle		+	+	+	+	+	5
Nervous System							
Brain, NOS		+	+	+	+	+	5
Peripheral Nerve, Sciatic		+	+	+	+	+	5
Spinal Cord, Cervical		+	+	+	+	+	5
Spinal Cord, Lumbar		+	+	+	+	+	5
Respiratory System							
Larynx		+	+	+	М	М	3
Lung		+	+	+	+	+	5
Nose		+	+	+	+	+	5
Trachea		+	+	+	+	+	5
Special Senses System							
Eye		+	+	+	+	+	5
Harderian Gland		+	+	+	+	+	5
Urinary System							
Kidney		+	+	+	+	+	5
Urinary Bladder		+	+	+	+	+	5
SYSTEMIC LESIONS							_

Multiple Organ

M .. Missing tissue

A .. Autolysis precludes evaluation

BLANK .. Not examined microscopically

** END OF REPORT **

^{* ..}Total animals with tissue examined microscopically; Total animals with tumor

^{+ ..} Tissue examined microscopically

X ..Lesion present

I .. Insufficient tissue